



# Neurodiagnostic Supplies

EMG, EP, EEG, IOM, Sleep & Application Products

2019-2020 Global Catalog



Neurodiagnostics • Neurocritical Care • Neurosurgery

## Solutions that span the spectrum of neuro care

Natus Neuro is a global market leader that provides diagnostic, therapeutic and surgical solutions built on a strong heritage in neurodiagnostics, neurocritical care and neurosurgery. Natus Neuro delivers clinician-led products that improve outcomes and enhance care for neuro patients through leading-edge equipment, service, education and supplies.

Natus Neuro is proud to partner with clinicians to improve patient outcomes across the spectrum of neuro care.

Visit [neuro.natus.com](https://neuro.natus.com) for more information.

## US & Canada Ordering Information

US and Canadian Customers call Customer Service at 1-800-356-0007.

Email: [supplies.nc@natus.com](mailto:supplies.nc@natus.com)

Order Entry Fax: 608.829.8709

Toll Free: 800.356.0007

Our Customer Service Department is here to answer questions and take your orders Monday through Friday from 8 am to 5 pm CST. We can be reached toll-free at 1-800-356-0007 or 608-829-8500.

Place your order by fax, email or online via the Natus Neuro Store (US customers only). Please include your phone number on the order so we may contact you if there are questions concerning your order. Fax or e-mail orders may be placed 24 hours a day.

### Delivery

We prepay and add shipping charges to orders. Most orders are shipped UPS Ground unless you instruct otherwise. Overnight or second day delivery is available for an additional charge.

### Sales Tax

We are required by law to collect all applicable state and local sales taxes. A valid tax exemption certificate is required to avoid applicable fees, and should be provided at time of order.

### Damages in Shipment

Despite our best efforts, items may occasionally be damaged in transit. Freight carriers are liable for damages only when damage is indicated on the bill of lading before you sign for shipment. Therefore, we recommend that you inspect the outside and contents of all cartons received. If any damage is found, write details on the bill of lading and ask the delivery carrier to make an inspection immediately. Per ICC regulations, it is the responsibility of the consignee to file a damage claim with the carrier promptly after inspection. For assistance and replacement information, contact our Customer Service Department.

### New Products

We are always looking to expand our product line. If there are supplies you use, but don't find in our catalog, please let us know and we will attempt to provide them. Our goal is to become your primary source for quality electrodes and supplies. Thank you for ordering from Natus Neuro.

## International Ordering Information

Natus Neuro maintains a network of representative distribution companies in countries throughout the world. For sales, service or support please contact your local distributor. To find your local distributor go to our website [www.natus.com](http://www.natus.com) and look under the Contact Tab and then Natus Worldwide.

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Natus Terms & Conditions Apply. See our website [neuro.natus.com/terms-conditions](http://neuro.natus.com/terms-conditions).

All products may not be available in all distribution centers.

## Contact Your Natus Supplies Sales Professional

Call **1-800-356-0007** and ask to speak with your Natus Supplies Sales Professional. We offer specialized, regionally-based, sales support for your supply needs.

- Respond knowledgeably to your EMG, EEG, EP, IOM and Sleep supply questions
- Research your product requirement and provide custom proposals
- Provide a convenient, one-stop shopping experience

# TABLE OF CONTENTS

<b>■ EMG</b> .....	<b>1-26</b>
<b>EMG Needle Electrodes</b> .....	<b>2-8</b>
• Concentric Needle Electrodes .....	2-3
• Monopolar Needle Electrodes.....	4-5
• Injectable Needle Electrodes.....	6-7
• Single Fiber Needle Electrodes.....	8
• Multi-Use Cables .....	8
<b>Reusable Stimulating &amp; Recording Electrodes</b> .....	<b>9-15</b>
• Bipolar Stimulating Probes .....	9-10
• Handheld Stimulating Electrodes.....	11
• Bar Electrodes.....	12
• Ground Electrodes .....	13
• Disc Stimulating/Recording Electrodes.....	13
• Digital Ring Electrodes.....	14
• Finger Clip Electrodes .....	15
• St. Mark's Pudendal NCS Electrode .....	15
<b>Disposable Adhesive Electrodes</b> .....	<b>16-21</b>
• Adhesive Electrode with Lead Wires Attached .....	16-18
• Adhesive Tab Electrodes.....	19-20
• Alligator-Clip Lead Wires.....	20
• Adhesive Snap Electrodes.....	20
<b>Ancillary EMG Items</b> .....	<b>22-25</b>
• Optional Cables & Adapters .....	22-23
• Temperature Probes & Electrodes.....	24
• Reflex Hammer .....	24
• Sharps Container .....	24
• EMG Needle Holders .....	25
• Velcro Straps.....	25
• Acceleration Sensors.....	25
• Acupuncture Needles.....	25
<b>Multi-Media Training Material</b> .....	<b>26</b>
<b>■ EP</b> .....	<b>27-31</b>
<b>Auditory</b> .....	<b>28-30</b>
• Tubal Insert Phones (TIPs) Kits .....	28
• Tubal Insert Phones (TIPs) Supplies .....	29-30
<b>EP Electrodes</b> .....	<b>30</b>
<b>EP Goggles &amp; Headphones</b> .....	<b>31</b>
<b>■ EEG</b> .....	<b>33-44</b>
<b>EEG Electrodes</b> .....	<b>34-40</b>
• Genuine Grass Gold & Silver Reusable Cup Electrodes .....	34
• Other Reusable & Disposable Cup Electrodes.....	35-37
• Electrode Caps.....	38-40
• Integrated Head Cap Systems.....	41
<b>Cortical Stimulation</b> .....	<b>42</b>
• Cortical Stimulation Probe.....	42
<b>Ancillary EEG Supplies</b> .....	<b>42-44</b>
• Electrode Lead Extensions, Linkers/Jumpers, Lead Wires, Adapters .....	42-44
<b>Educational Aids</b> .....	<b>44</b>

# TABLE OF CONTENTS

<b>IOM</b> .....	<b>45-52</b>
<b>IOM Electrodes</b> .....	<b>46-49</b>
• Subdermal Needle Electrodes .....	46-47
• Scalp Electrodes .....	47
• Corkscrew Electrode .....	48
• Hook-Wire Electrodes .....	48
• Strip & Grid Electrodes .....	48
• Nasopharyngeal Electrodes .....	49
• Laryngeal Electrodes .....	49
<b>IOM Probes</b> .....	<b>50-51</b>
• Disposable Probes .....	50-51
• Stimulating Probes .....	51
<b>Ancillary IOM Items</b> .....	<b>52</b>
<b>SLEEP</b> .....	<b>53-80</b>
<b>Sensors</b> .....	<b>54-69</b>
• RIP Respiratory Effort Belts .....	54-58
• PVDF Respiratory Effort Belts .....	59-60
• Piezo Respiratory Effort Belts .....	61
• Airflow .....	62-65
• Snore Sensors .....	66-67
• Pressure Flow/Snore .....	68-69
• Limb Movement Sensor Kits .....	69
• Body Position Sensors .....	70
• Oximetry .....	71-73
<b>Cannulas</b> .....	<b>74-76</b>
<b>Ancillary Sleep Supplies</b> .....	<b>77-80</b>
• Adhesive Electrodes with Lead Wires Attached .....	77
• Snap Electrodes .....	77
• Snap Leads .....	78-79
• Velcro Straps .....	80
• Adapters .....	80
<b>APPLICATION PRODUCTS</b> .....	<b>81-86</b>
<b>Electrode Creams, Pastes, Gels</b> .....	<b>82-83</b>
<b>Skin Preps</b> .....	<b>83-84</b>
<b>Ancillary Application Supplies</b> .....	<b>84-85</b>
<b>Electrode Placement</b> .....	<b>86</b>
<b>Cleaners</b> .....	<b>86</b>
<b>SUPPLY STARTER KITS</b> .....	<b>89-93</b>
<b>EMG</b> .....	<b>90</b>
<b>EEG</b> .....	<b>91</b>
<b>IOM</b> .....	<b>91</b>
<b>Sleep</b> .....	<b>92-93</b>
<b>NATUS SUPPORT</b> .....	<b>95</b>
<b>ORDERING INFORMATION</b> .....	<b>96-97</b>
<b>INDICES</b> .....	<b>99-108</b>
<b>Part Number Index</b> .....	<b>99-103</b>
<b>Subject Index</b> .....	<b>104-108</b>





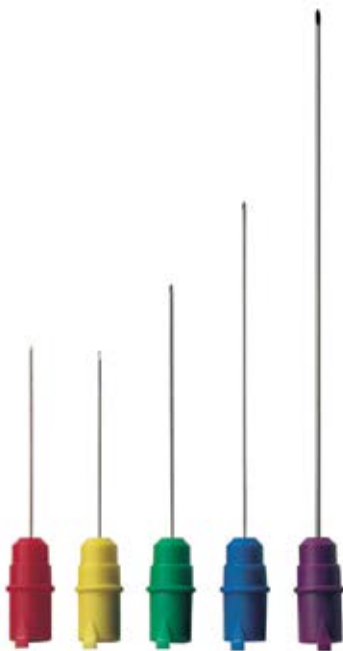
## Natus EMG Supplies

EMG Needle Electrodes • Stimulating & Recording Electrodes  
Adhesive Electrodes • Ancillary EMG Items  
Multi-Media Training Material

Snap leads and additional electrode options are located on pages 77-79.

## EMG NEEDLE ELECTRODES

### Concentric Needle Electrodes



#### TECA® Elite Disposable Concentric Needle Electrodes

- Coated stainless steel cannula with optimal sharpness increases ease of insertion and enhances patient comfort
- Precision-centered tungsten core assures reliable and accurate signal detection
- Low-friction coating facilitates ease of repositioning
- Color-coded hub provides a firm grip, orientation-free connection and recording area direction indicator
- Low impedance levels for accurate recordings
- Pre-sterilized

Part Number	Length	Needle Diameter	Recording Area (mm <sup>2</sup> )	Hub Color	Quantity
S53153	1" (25mm)	0.30mm (30G)	0.03	Red	1/pouch - 25/box
S53155	1" (25mm)	0.46mm (26G)	0.07	Yellow	1/pouch - 25/box
S53156	1.5" (37mm)	0.46mm (26G)	0.07	Green	1/pouch - 25/box
S53158	2" (50mm)	0.46mm (26G)	0.07	Blue	1/pouch - 25/box
S53159	3" (75mm)	0.64mm (23G)	0.07	Violet	1/pouch - 25/box



#### Needle Holder (Cable)

Orientation-free hub to connect the TECA Elite Disposable Concentric Needle: Shielded 36" (1m) cable, terminating in a 5-pin 240° DIN plug. Plugs into most EMG instruments.

Part Number	Length	Electrode End	Instrument End
X21001	36" (0.9m)	pogo pin	5-pin 240° DIN



### DID YOU KNOW?

The first acknowledged experimentation with EMG dates from 1666 with Francesco Redi; however, it was not until 1960 that EMG began to be used clinically



## EMG NEEDLE ELECTRODES

### Concentric Needle Electrodes

#### Dantec® DCN Disposable Concentric Needle Electrodes

- Silicone coating and ultra-sharp, 3-bevel tip design increase patient comfort by reducing friction and insertion force
- Stainless steel cannula provides strength for efficient penetration and flexibility for precise adjustments
- Each needle has an ergonomically designed, color-coded hub with a recording area direction indicator
- Precisely centered, insulated tungsten core provides accurate signal detection
- Rigorous quality control assures consistent sharpness and high concentricity for clinical reliability
- Low impedance levels for accurate recordings
- Pre-sterilized

Part Number	Length	Needle Diameter	Recording Area (mm <sup>2</sup> )	Hub Color	Quantity
9013S0012	1" (25mm)	0.30mm (30G)	0.03	Orange	1/pouch - 25/box
9013S0022	1" (25mm)	0.46mm (26G)	0.07	Green	1/pouch - 25/box
9013S0032	1.5" (37mm)	0.46mm (26G)	0.07	Blue	1/pouch - 25/box
9013S0042	2" (50mm)	0.46mm (26G)	0.07	Red	1/pouch - 25/box
9013S0052	3" (75mm)	0.64mm (23G)	0.07	Yellow	1/pouch - 25/box



#### Needle Holder (Cable)

Shielded Cable for Dantec DCN Electrodes. Cable fits most EMG instruments.

Part Number	Length	Electrode End	Instrument End
9013C0014	59" (1.5m)	pogo pin	5-pin 240° DIN



#### Natus® Reusable Concentric Needle Electrodes

- Platinum-iridium electrode core wire located in a stainless steel cannula
- Non-sterile, autoclavable
- Requires Natus Needle Holder (Cable) 085-444700 on page 8

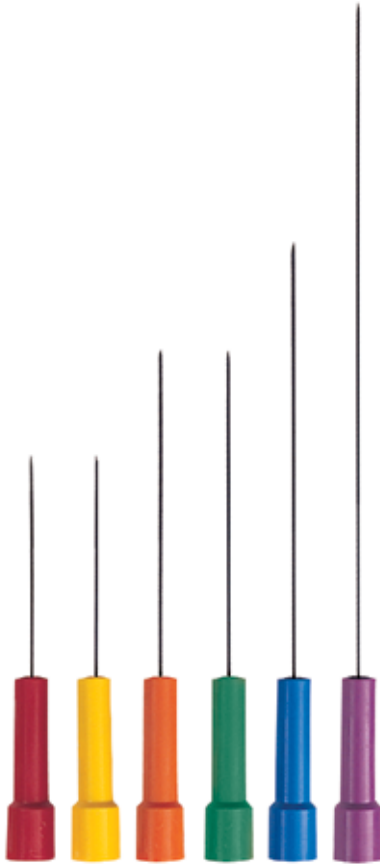
Part Number	Length	Needle Diameter	Recording Area (mm <sup>2</sup> )	Hub Color	Quantity
019-426200*	1" (25mm)	0.30mm (30G)	0.021	Red	1/pkg
019-426500*	2.4" (60mm)	0.64mm (23G)	0.068	Pink	1/pkg

\*Not for sale in Canada



## EMG NEEDLE ELECTRODES

### Monopolar Needle Electrodes



#### TECA® Elite Disposable Monopolar Needle Electrodes

TECA Elite Disposable Monopolar needle electrodes meet today's demands for clinical efficiency and patient comfort

- Coated stainless steel needle with ultra-sharp tip increases ease of insertion and enhances patient comfort
- Low-friction coating facilitates ease of repositioning
- Color-coded by needle size for easy identification
- Consistently low impedance levels for accurate recordings
- Reusable, flexible lead cable (902-RLC-TP) included with each box
- Pre-sterilized

Part Number	Length	Needle Diameter	Hub Color	Recording Area (mm <sup>2</sup> )	Quantity
902-DMF25-S	1" (25mm)	0.36mm (28G)	Red	0.28	1/pouch - 48/box
902-DMG25-S	1" (25mm)	0.46mm (26G)	Yellow	0.34	1/pouch - 48/box
902-DMF37-S	1.5" (37mm)	0.36mm (28G)	Orange	0.28	1/pouch - 48/box
902-DMG37-S	1.5" (37mm)	0.46mm (26G)	Green	0.34	1/pouch - 48/box
902-DMG50-S	2" (50mm)	0.46mm (26G)	Blue	0.34	1/pouch - 48/box
902-DMG75-S	3" (75mm)	0.46mm (26G)	Violet	0.34	1/pouch - 24/box

#### TECA® Disposable Monopolar Needle Electrodes

TECA Disposable Monopolar needle electrodes provide both clinical efficiency and patient comfort

- Stainless steel needle, manufactured with a conical tip ground to a consistently sharp point
- Color-coded by needle size for easy identification
- Consistently low impedance levels for accurate recordings
- Reusable, flexible lead cable (902-RLC-TP) included with each box
- Coated with a low friction insulator for easy insertion
- Pre-sterilized

Part Number	Length	Needle Diameter	Hub Color	Recording Area (mm <sup>2</sup> )	Quantity
902-DMF25-TP	1" (25mm)	0.36mm (28G)	Red	0.28	1/pouch - 48/box
902-DMG25-TP	1" (25mm)	0.46mm (26G)	Yellow	0.34	1/pouch - 48/box
902-DMF37-TP	1.5" (37mm)	0.36mm (28G)	Orange	0.28	1/pouch - 48/box
902-DMG37-TP	1.5" (37mm)	0.46mm (26G)	Green	0.34	1/pouch - 48/box
902-DMG50-TP	2" (50mm)	0.46mm (26G)	Blue	0.34	1/pouch - 48/box
902-DMG75-TP	3" (75mm)	0.46mm (26G)	Violet	0.34	1/pouch - 24/box



#### Reusable Lead Cable

- Included with TECA Disposable Monopolar needle electrode
- See Ancillary EMG Items starting on Page 22 for additional cables

Part Number	Length	Description	Electrode End	Cable End	Quantity
902-RLC-TP	24" (61cm)	Unshielded Cable	DMN connector	1.5mm touchproof	6/pkg

## EMG NEEDLE ELECTRODES

### Monopolar Needle Electrodes

#### Disposable Monopolar Needle Electrodes with Lead Wire Attached

- Stainless steel needle with consistently sharp tip and Teflon®-coating for easy insertion
- 24" (61cm) super-flexible PVC insulated lead wire attached to needle; terminates in a 1.5mm touchproof connector
- Color-coded caps for ease of size identification
- Convenience of all-in-one disposable needle, cap and lead wire
- Pre-sterilized

Part Number	Length	Needle Diameter	Cap Color	Quantity
101192	1.75" (44mm)	0.36mm (27G)	Purple	1/pouch - 50/box
101194	3" (75mm)	0.45mm (25G)	Gray	1/pouch - 25/box



#### Disposable Monopolar Needle Electrodes with Lead Wire Attached

- Stainless steel needle with consistently sharp tip and Teflon®-coating for easy insertion
- 29" (74cm) super-flexible PVC insulated lead wire attached to needle; terminates in a 1.5mm touchproof connector
- Color-coded lead wires for ease of size identification
- Convenience of all-in-one disposable needle and lead wire
- Pre-sterilized

Part Number	Length	Needle Diameter	Lead Wire Color	Quantity
019-474800	0.8" (20mm)	0.32mm (28G)	Red	1/pouch - 24/box
019-474900	1" (25mm)	0.35mm (27G)	Yellow	1/pouch - 24/box
019-475000	1.5" (37mm)	0.35mm (27G)	Green	1/pouch - 24/box
019-475100	1.5" (37mm)	0.40mm (26G)	White	1/pouch - 24/box
019-475200	2" (50mm)	0.40mm (26G)	Blue	1/pouch - 24/box



### DID YOU KNOW?

There are 100,000 miles of blood vessels in the brain

## EMG NEEDLE ELECTRODES

### Injectable Needle Electrodes

#### TECA® MyoJect Disposable Luer Lock Needle Electrodes

For therapy and nerve block procedures

- Records EMG activity while allowing injection of medication
- Stainless steel hypodermic needle, ground to a consistently sharp point
- Coated with a low friction insulator for ease of insertion
- Connects with both Luer Lock and Slip Fit syringes
- Color-coded lead for easy identification
- Cable length 30" (76cm), terminating in 1.5mm female touchproof connector
- Pre-sterilized



Part Number	Needle Length	Needle Diameter	Lead Color	Quantity
MJT-2530-LL	1" (25mm)	0.30mm (30G)	Red	1/pouch - 10/box
MJT-2527-LL	1" (25mm)	0.41mm (27G)	Yellow	1/pouch - 10/box
MJT-3726-LL	1.5" (37mm)	0.46mm (26G)	Green	1/pouch - 10/box
MJT-3727-LL	1.5" (37mm)	0.41mm (27G)	Orange	1/pouch - 10/box
MJT-5025-LL	2" (50mm)	0.51mm (25G)	Blue	1/pouch - 10/box
MJT-7522-LL	3" (75mm)	0.71mm (22G)	Violet	1/pouch - 10/box

#### Bo-ject® DHN Disposable Hypodermic Needle Electrodes

For therapy and nerve block procedures

- Records EMG activity while allowing injection of medication
- Stainless steel hypodermic needle design with consistent sharpness
- Coated with a low friction insulator for ease of insertion
- Connects with both Luer Lock and Slip Tip syringes
- Color-coded leads for easy identification cable length 35.5" (90cm); terminates in a 1.5mm female touchproof connector
- Pre-sterilized



Part Number	Needle Length	Needle Diameter	Lead Color	Quantity
9013S0422	1" (25mm)	0.30mm (30G)	Tan	1/pouch - 10/box
9013S0432	1" (25mm)	0.41mm (27G)	Pink	1/pouch - 10/box
9013S0442	1.5" (37mm)	0.41mm (27G)	Light Blue	1/pouch - 10/box
9013S0472	1.5" (37mm)	0.46mm (26G)	Brown	1/pouch - 10/box
9013S0452	2" (50mm)	0.51mm (25G)	Gray	1/pouch - 10/box
9013S0462	3" (75mm)	0.71mm (22G)	Light Green	1/pouch - 10/box

## EMG NEEDLE ELECTRODES

### Injectable Needle Electrodes

#### Luer Lock Syringes

Our Luer Lock syringes allow the practitioner to "lock" the needle and syringe to reduce risk of seepage and increase safety of use

Part Number	Type	Quantity
019-451400	1ml Syringe	100/box
019-451600	3ml Syringe	100/box
019-479400*	1ml Syringe	60/box

\*US & Canada only



## HANDHELD DEVICE FOR EMG/STIM-GUIDED INJECTIONS

### Dantec® Clavis™

Fast and easy pathway for injection of medicinal products.

- EMG and STIM functions in one compact device
- Easy to use and operate
- Battery powered
- Perfect match with Bo-ject DHN needle electrodes

Part Number	Quantity
9015A0012	1/pkg

Contact your Natus Neuro sales representative or distributor for information



## EMG NEEDLE ELECTRODES

### Single Fiber Needle Electrodes



#### Natus® Reusable Indicator Single Fiber Needle Electrode

- Platinum recording surface presented through a side port opposite the cutting edge bevel and approximately 5mm from the needle point
- Hub features a raised spline that indicates the orientation of the recording surface; provides both visual and tactile indication of recording surface location
- Hub has a 360° no-orientation coaxial connector to reduce noise; provides optimal EMG recordings

Part Number	Length/Needle Diameter	Quantity
019-425900	1" (25mm) / 0.35mm (27G)	1/pkg



#### Natus® Needle Holder (Cable)

- Kevlar® cable for Natus Reusable Indicator Single Fiber needle electrodes

Part Number	Length	Electrode End	Instrument End	Quantity
085-444700	47" (1.2m)	Gold-plated subminiature	all-plastic DIN	1/pkg

### Multi-Use Cables

#### Multi-Use EMG & IOM Cables

For use with:

- Adhesive Disposable Pre-Gelled surface electrodes, see pages 17-18
- Scalp needle electrodes, see page 47



9013C0112  
9013C0122



9013C0132  
9013C0142



9013C0152  
9013C0242

Part Number	Description	Length	Electrode End	Instrument End	Quantity
9013C0112	HUSH Shielded Cable	39" (1m)	2 x 0.7mm female touchproof	5-pin DIN	1/pkg
9013C0122	HUSH Shielded Cable	79" (2m)	2 x 0.7mm female touchproof	5-pin DIN	1/pkg
9013C0132	HUSH Shielded Cable	39" (1m)	3 x 0.7mm female touchproof	5-pin DIN	1/pkg
9013C0142	HUSH Shielded Cable	79" (2m)	3 x 0.7mm female touchproof	5-pin DIN	1/pkg
9013C0152	Unshielded Cable	32" (80cm)	0.7mm female touchproof	1.5mm female touchproof	8/pkg
9013C0242	Unshielded Cable	79" (2m)	0.7mm female touchproof	1.5mm female touchproof	8/pkg



## DID YOU KNOW?

In 1987 TECA® introduced the first disposable concentric needle!

## STIMULATING & RECORDING ELECTRODES

### Bipolar Stimulating Probes

#### Comfort Probe

- Includes adult angled and touchproof probe heads and holder with bracket

Part Number	Type	Quantity	Compatibility
515-016300	Comfort Probe RS10	1/pkg	Nicolet EMG systems



#### Comfort Probe Plus

- Controls for stimulus intensity, duration, polarity, move to next trace
- Includes adult angled and touchproof probe heads and holder with bracket

Part Number	Type	Quantity	Compatibility
515-018800	Comfort Probe Plus WR50	1/pkg	Nicolet EDX systems



#### Comfort Probe & Comfort Probe Plus Stimulator Heads

Part Number	Type	Quantity	Compatibility
071-423500	Adult Straight Probe Head	1/pkg	Comfort Probe & Comfort Probe Plus only
071-423600	Adult Angled Probe Head	1/pkg	
071-423700	Pediatric Straight Probe Head	1/pkg	
071-423800	Pediatric Angled Probe Head	1/pkg	
071-500600	Touchproof Probe Head	1/pkg	



Adult Straight Probe Head



Pediatric Straight Probe Head



Touchproof Probe Head



Adult Angled Probe Head



Pediatric Angled Probe Head

#### Advanced Stimulation Handgrip

Part Number	Length	Instrument End	Quantity	Compatibility
9031E0172	98" (2.5m)	6-pin DIN	1/pkg	Dantec Keypoint Focus & Natus UltraPro S100 systems only



## STIMULATING & RECORDING ELECTRODES

### Bipolar Stimulating Probes



#### Nicolet® Bipolar Stimulating Probe

- Controls stimulus level and start/stop control
- Includes straight, angled and touchproof tip heads

Part Number	Description	Simulator Connection	Quantity	Compatibility
842-115000	Bipolar Stimulation Probe with three Heads	Back of EMG System	1/pkg	Nicolet VikingQuest & EDX systems
033-406001	Straight Probe Tip Replacement Head	n/a	1/pkg	
033-407100	Angled Probe Tip Replacement Head	n/a	1/pkg	
033-409501	Touchproof Probe Tip Replacement Head	n/a	1/pkg	



033-406001



033-407100



033-409501



#### Reusable Bipolar Stimulating Probe with Start/Stop Switch

- Includes stimulus probe head tip

Part Number	Length	Simulator Connection	Quantity	Compatibility
101963XL	144" (3.7m)	Back of EMG System	1/pkg	Xtek EMG systems only



#### Small Bipolar Stimulating Electrode

- 12.7mm tip spacing, ideal for pediatric studies and blink reflex testing

Part Number	Length	Quantity	Compatibility
019-403800	39" (1m)	1/pkg	Most EMG systems that accept 1.5mm female touchproof connectors



#### Handheld Bipolar Stimulator Probe with Stainless Steel Tips

- 12mm spacing between tips

Part Number	Length	Quantity	Compatibility
9523-7-TP	79" (2m)	1/pkg	Most EMG systems that accept 1.5mm female touchproof connectors

#### Replacement Stainless Steel Tips (not pictured)

- For use with 9523-7-TP Handheld Stimulator Probe only
- 12mm spacing between tips

Part Number	Quantity
9541	2/pkg



## STIMULATING & RECORDING ELECTRODES

### Handheld Felt Pad Stimulating Electrodes

#### Handheld Felt Pad Stimulating Electrodes

- Replaceable felt pads
- Indicator locates cathode

Part Number	Length	Description	Instrument End	Quantity	Compatibility
9013L0362	79" (2m)	Two 7mm diameter felt tip pads, 23mm apart	5-pin DIN	1/pkg	Dantec Keypoint G4, Keypoint Focus & Natus UltraPro S100 EMG systems. Can also be used with Nicolet EDX systems if converter # 085-417401 is added. The converter is on page 23.
9013L3522†	See description	Replacement felt tips, 7.5mm length x 7mm diameter	n/a	100/pkg	9013L0362 or other stimulating electrodes that use 7.5mm x 7mm felt tips



9013L0362

630575

#### Handheld Felt Pad Surface Stimulating Electrodes

- Includes four felt pads

Part Number	Length	Description	Instrument End	Quantity	Compatibility
630575*	9.8' (3m)	Surface stimulation electrode	1.5mm touchproof connectors	1/pkg	Most EMG systems that accept 1.5mm touchproof connectors
630583NE*	6.6' (2m)	Surface stimulation electrode	5-pin DIN connector, 270°	1/pkg	Most EMG systems
630588*	9.8' (3m)	Surface stimulation electrode	3-pin DIN connector	1/pkg	Schwarzer topas EMG system

\*Not for sale in US & Canada



630588

630583NE

#### Replacement Felt Pads

Part Number	Length	Diameter	Quantity	Compatibility
517102**	7mm	7mm	10/pkg	Stimulating electrodes that accept 7mm diameter pads
630593**	7mm	7mm	20/pkg	Stimulating electrodes that accept 7mm diameter pads

\*Not for sale in US & Canada



#### Gold Plated Metal Inserts

- For use with Handheld Surface Stimulating Electrodes

Part Number	Length	Stimulating Surface	Quantity	Compatibility
630591*	7mm	Concave	2/pkg	Schwarzer stimulating electrodes part numbers 630575, 630588, 630583NE, 892070, 999-212000
630584NE*	7mm	Convex	2/pkg	

\*Not for sale in US & Canada



630591

#### Handheld Felt Pad Stimulating Electrode

- Replaceable felt pads
- Supplied with snap-in T-Bar handle
- 30mm spacing between pads; 79" (2m) cable length

Part Number	Description	Instrument End	Quantity	Compatibility
102733**	Felt Pad stimulator electrode with T-Bar handle & 10 pack of felt pads	5-pin DIN	1/pkg	Xitek EMG systems only
102227	Felt Pads	n/a	50/pkg	

†Note - Before use, felt tips should be soaked briefly in a normal saline solution and then coated with a small amount of electrolyte gel.

\*\*See compatible Snap-On T-Bar Handle part 019-421000 on page 12



## STIMULATING & RECORDING ELECTRODES

### Bar Electrodes

#### Bipolar Felt Pad Bar Electrode

- Replaceable felt pads
- Red dot indicator locates anode
- Terminates in two 1.5mm touchproof connectors

Part Number	Type	Length	Quantity	Compatibility
019-401500**	Bipolar Felt Pad Electrode	39" (1m)	1/pkg	Most EMG systems
019-406700*	Replacement Pads	n/a	10/pkg	

\*\*See compatible Snap-On T-Bar Handle part 019-421000

\*Note - Before use, felt tips should be soaked briefly in a normal saline solution and then coated with a small amount of electrolyte gel.

#### Snap-On T-Bar Handle for Bipolar Bar Electrodes

- Fits bar electrodes for more flexibility and ease-of-use

Part Number	Type	Quantity	Compatibility
019-421000	T-Bar Handle	1/pkg	Compatible with 019-401500, 019-431400, 019-401400, 102733 bar electrodes

#### EMG Felt Pad Bar Electrodes

- Includes ten felt pads and tightening strap

Part Number	Length	Instrument End	Quantity	Compatibility
630576*	59" (1.5m)	5-pin DIN connector, 240°	1/pkg	Most EMG systems
630571NE*	59" (1.5m)	5-pin DIN connector, 270°	1/pkg	Schwarzer topas EMG

\*Not for sale in US & Canada

#### HUSH® Bipolar Bar Electrode

- Shielded cable for optimal results
- 10mm discs with 30mm spacing
- Cable withstands >50 lb pull test

Part Number	Length	Instrument End	Quantity	Compatibility
9013S0352	39" (1m)	5-pin DIN	1/pkg	Dantec Keypoint G4, Keypoint Focus & Natus UltraPro S100 EMG systems only

#### Bipolar Bar Electrodes

- 9mm gold plated discs, 30mm spacing
- Coded for polarity

Part Number	Length	Instrument End	Quantity	Compatibility
019-431400**	20" (0.5m)	1.5mm touchproof connectors	1/pkg	Most EMG systems
019-401400**	39" (1m)	1.5mm touchproof connectors	1/pkg	

\*\*See compatible Snap-On T-Bar Handle part 019-421000

#### Bipolar Bar Electrode

- 10mm stainless steel discs, 30mm spacing

Part Number	Length	Instrument End	Quantity	Compatibility
019-446700	39" (1m)	1.5mm touchproof connectors	1/pkg	Most EMG systems



## STIMULATING & RECORDING ELECTRODES

### Ground Electrodes

#### Reusable Ground Strap Electrodes

- Velcro® wraparound ground electrode designed for soaking in saline solution
- Easy to place and comfortable for patient

Part Number	Strap Length	Strap Width	Lead Length	Instrument End	Quantity	Compatibility
9013S0714*	4" (10cm)	0.6" (15mm)	59" (1.5m)	1.5mm female touchproof	1/pkg	Most EMG systems
9013S0735*	7" (18.5cm)	0.8" (20mm)	59" (1.5m)	1.5mm female touchproof	1/pkg	
9013S0775*	18" (45cm)	0.8" (20mm)	59" (1.5m)	1.5mm female touchproof	1/pkg	
9013S0745*	30" (75cm)	0.8" (20mm)	59" (1.5m)	1.5mm female touchproof	1/pkg	

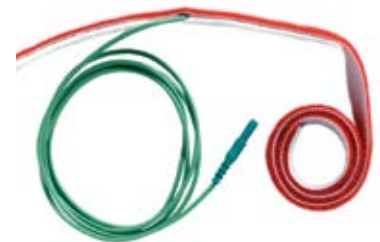
\*Not for sale in US & Canada



#### Reusable Ground Strap Electrodes

- Velcro® wraparound ground electrode designed for soaking in saline solution
- Easy to place and comfortable for patient
- Terminates in touchproof connectors

Part Number	Description	Strap Width	Lead Length	Instrument End	Quantity	Compatibility
019-405900	Adult 21" (54cm)	0.8" (20mm)	49" (1.25m)	1.5mm female touchproof	1/pkg	Most EMG systems
019-415900	Pediatric 9.5" (24cm)	0.8" (20mm)	49" (1.25m)	1.5mm female touchproof	1/pkg	



#### Reusable Disc Ground Electrodes

- Long-lasting stainless steel disc

Part Number	Lead Length	Diameter	Instrument End	Quantity	Compatibility
019-401200	30" (0.75m)	30.5mm	1.5mm female touchproof	1/pkg	Most EMG systems



### Disc Stimulating/Recording Electrodes

#### HUSH® Disc Electrode

- 10mm stainless steel discs
- Shielded cable for optimal results
- Cable withstands >50 lb pull test

Part Number	Length	Instrument End	Quantity	Compatibility
9013S0402	39" (1m)	5-pin DIN	1/pkg	Dantec Keypoint G4, Keypoint Focus & Natus UltraPro S100 EMG systems only



#### Stainless Steel Disc Electrodes

- 10mm stainless steel discs
- One pair PVC coated lead wires, one red and one black, terminating in touchproof connectors

Part Number	Type	Lead Length	Instrument End	Quantity	Compatibility
6030-TP	Twisted Leads	39" (1m)	1.5mm female touchproof	1 pair/pkg	Most EMG systems
6030-3-TP	Separate Leads	39" (1m)	1.5mm female touchproof	1 pair/pkg	



#### Recording Electrode

- Waffle electrode for recording motor and evoked response potentials

Part Number	Length	Instrument End	Quantity	Compatibility
630506*	47" (1.2m)	5-pin DIN connector	1/pkg	Most EMG systems

\*Not for sale in US & Canada



## STIMULATING & RECORDING ELECTRODES

### Digital Ring Electrodes



#### Digital Ring Electrodes

- Two spring, stainless steel, adjustable rings

Part Number	Lead Length	Instrument End	Quantity	Compatibility
6032-TP	18" (46cm)	2 x 1.5mm female touchproof	1 pair/pkg	Most EMG systems
5032-TP	36" (1m)	2 x 1.5mm female touchproof	1 pair/pkg	



#### Digital Ring Electrode

- Shielded cable for optimal results
- Cable withstands >50 lb pull test
- Two adjustable rings

Part Number	Length	Instrument End	Quantity	Compatibility
901350302	39" (1m)	5-pin DIN	1/ea	Dantec Keypoint G4, Keypoint Focus & Natus UltraPro S100 EMG systems only

## ULTRASOUND MONITORING

### Natus® InVisus™ Ultrasound System

Powerful, high-quality ultrasound in the palm of your hand

- Handheld, HD tablet-based ultrasound system
- 5–18MHz linear probe options
- Superior image quality for easy identification of structures and landmarks
- Full M-mode/B-mode, color and power Doppler and Pulsed Wave Doppler
- Conduct needle insertions and injections with confidence using ultrasound guidance

Part Number	Description
024351	InVisus SLP Ultrasound Base w/ fixed Linear Probe 5-12.5MHz, 128 elements
024362	InVisus EXP Ultrasound Base (no probe)
<b>Select probe option (one or two probes):</b>	
024363	PR51 Linear Probe 10-18MHz, 192 Elements
024364	PR52 Linear Probe 6-18MHz, 256 Elements

Contact your Natus Neuro sales representative or distributor for more information



## STIMULATING & RECORDING ELECTRODES

### Finger Clip Electrodes

#### Finger Clip Electrode

- Reusable stainless steel finger clip electrodes
- Easy-to-use spring-action for quick placement

Part Number	Type	Lead Length	Instrument End	Quantity	Compatibility
019-429300	Finger Clip Electrodes with twisted lead wires	24" (61cm)	1.5mm female touchproof	1 pair/pkg	Most EMG systems



### St. Mark's Pudental NCS Electrode

#### St. Mark's Disposable Pudental NCS Electrode

- Diagnostic tool for evaluation of patients with pelvic floor disorders
- Combined stimulation and recording electrode used with EMG systems for determination of pudental nerve conduction by sphincter and motor latency
- Electrode has adhesive tabs for mounting onto examining glove

Part Number	Length	Recording Area	Description	Quantity	Compatibility
9013L4402	12" (30cm)	12mm <sup>2</sup>	Not sterilized	20/pkg	Most EMG systems



#### Cable for St. Mark's Disposable Pudental NCS Electrode

- Cable terminates in two 5-pin DIN plugs: one for EMG preamp, one for stimulator

Part Number	Length	Electrode End	Instrument End	Quantity	Compatibility
9013L0322	79" (2m)	Flat Flex	2 x 5-pin DIN	1/ea	Most EMG systems

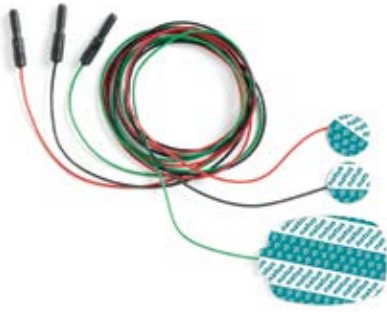


## DID YOU KNOW?

Both humans and long-necked giraffes have seven cervical vertebrae

## ADHESIVE ELECTRODES

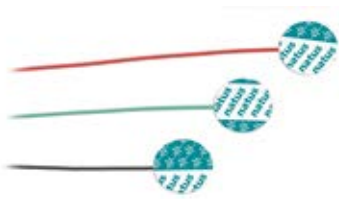
### Adhesive Electrodes with Lead Wires Attached



#### Disposable NCV Electrode Set with Leads

- Color-coded (red, green, black) attached lead wires terminate in 1.5mm touchproof connectors
- Two pre-gelled 20mm Ag/AgCl disc electrodes and one ground plate electrode per pouch
- Ideal for nerve conduction studies

Part Number	Type	Lead Length	Quantity	Compatibility
019-415200	NCV Electrode Set	39" (1m)	24 kits/pkg	Most EMG systems



#### Disposable 3-Disc Electrode Set with Leads

- Color-coded (red, green, black) attached lead wires terminate in 1.5mm touchproof connectors
- Three pre-gelled 20mm Ag/AgCl disc electrodes per set
- Ideal for AEP and nerve conduction studies

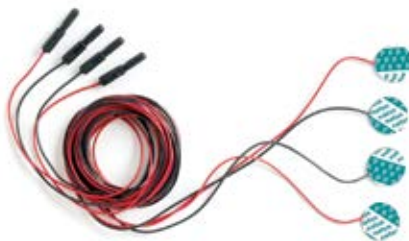
Part Number	Type	Lead Length	Quantity	Compatibility
019-439400	Disc	20" (0.5m)	24 sets/pkg	Most EMG systems
019-414200	Disc	39" (1m)	24 sets/pkg	



#### Disposable Tab Electrodes with Leads

- Color-coded (red, black) attached lead wires terminate in 1.5mm touchproof connectors
- Two pre-gelled Ag/AgCl tab electrodes per pouch; contact area 20mm x 25mm
- Ideal for SEP, AEP and IOM studies

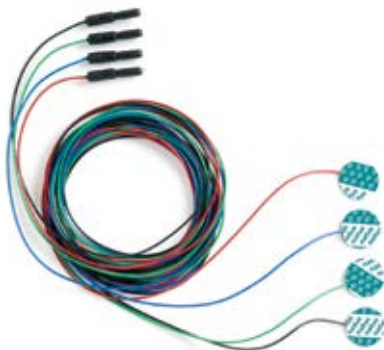
Part Number	Type	Lead Length	Quantity	Compatibility
019-406600	Tab	39" (1m)	24 pair/pkg	Most EMG systems



#### Disposable 2x2 Set with Leads

- Color-coded (two red, two black) attached lead wires terminate in 1.5mm touchproof connectors
- Four pre-gelled 20mm Ag/AgCl disc electrodes per pouch
- Ideal for IOM applications

Part Number	Type	Lead Length	Quantity	Compatibility
019-415000	Disc	59" (1.5m)	24 sets/pkg	Most EMG systems
019-420800	Disc	118" (3m)	24 sets/pkg	



#### Disposable 4-Disc Electrode Set with Leads

- Color-coded (red, blue, green, black) attached lead wires terminate in 1.5mm touchproof connectors
- Four pre-gelled 20mm Ag/AgCl disc electrodes per pouch
- Ideal for PSG, NCS, SEP, AEP, EMG, ENG and IOM studies

Part Number	Type	Lead Length	Quantity	Compatibility
019-400400	Disc	39" (1m)	15 sets/pkg	Most EMG systems
019-409000	Disc	79" (2m)	15 sets/pkg	



#### Value Line Disposable 4-Disc Electrode Set with Leads

- Color-coded (red, blue, green, black) attached lead wires terminate in 1.5mm touchproof connectors
- Four pre-gelled 19mm Ag/AgCl tab electrodes per pouch
- Ideal for PSG, NCS, SEP, AEP, EMG, ENG and IOM studies

Part Number	Type	Lead Length	Quantity	Compatibility
017516	Disc	39" (1m)	4 electrodes/pkg; 100 electrodes/box	Most EMG systems

## ADHESIVE ELECTRODES

### Adhesive Electrodes with Lead Wires Attached

#### Disposable Ring Electrode with Leads

- Color-coded (red, black) attached lead wires terminate in 1.5mm touchproof connectors
- Two pre-gelled Ag/AgCl ring electrodes per package; contact area 8mm x 106mm
- Single patient use only

Part Number	Type	Lead Length	Quantity	Compatibility
019-439300	Ring	20" (0.5m)	10 pkg/box	Most EMG systems



#### Disposable 3-Disc Transparent Electrode Set

- Color-coded (red, black, green) attached lead wires terminate in 1.5mm touchproof connectors
- Three pre-gelled transparent electrodes per set
- Overall size 474mm<sup>2</sup>; recording area 54mm<sup>2</sup>
- Transparent electrodes allow for precise positioning; can be repositioned several times
- Ideal for NCV, EP and ENG studies

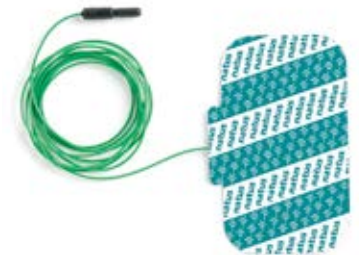
Part Number	Type	Length	Quantity	Compatibility
019-434600	Ag/AgCl Sensor	20" (0.5m)	4 sets/pkg	Most EMG systems
019-434700	Ag/AgCl Sensor	31" (0.8m)	4 sets/pkg	
019-434800	Ag/AgCl Sensor	47" (1.2m)	4 sets/pkg	



#### Disposable 2" x 4" Ground Plate Electrode with Lead

- Attached green lead wire terminates in 1.5mm touchproof connectors
- One pre-gelled Ag/AgCl extra-large ground electrode per pouch; 51mm x 102mm surface area
- Ideal for ICU or electrically challenging environment

Part Number	Type	Lead Length	Quantity	Compatibility
019-422200	Ground	59" (1.5m)	24 pouches/pkg	Most EMG systems



#### Disposable Ground Plate Electrode with Lead

- Attached green lead wire terminates in 1.5mm touchproof connectors
- One pre-gelled Ag/AgCl ground electrode per pouch; 40mm x 50mm surface area
- Ideal for EMG, NCS, SEP and IOM studies

Part Number	Type	Lead Length	Quantity	Compatibility
019-400500	Ground	36" (1m)	24 pouches/pkg	Most EMG systems
019-409100	Ground	79" (2m)	24 pouches/pkg	



#### Value Line Disposable Ground Plate Electrode with Lead

- Attached green lead wire terminates in 1.5mm touchproof connector
- One pre-gelled Ag/AgCl ground electrode per pouch; 42mm x 60mm surface area
- Ideal for EMG, NCS, SEP and IOM studies

Part Number	Type	Lead Length	Quantity	Compatibility
017515	Ground	39" (1m)	1 electrode/pack; 25 electrodes/box	Most EMG systems



#### Disposable Non-Gelled Surface Electrode

- Fifty non-gelled Ag/AgCl electrodes per package; recording area 7mm x 4mm
- Small recording area provides highly accurate, optimal recordings
- Single patient use only

Part Number	Recording Area	Lead Length	Lead Connector	Quantity	Compatibility
9013L0203*	7mm x 4mm	3" (8cm)	0.7mm male touchproof	50/pkg	Dantec Keypoint G4, Keypoint Focus & Natus UltraPro S100 EMG systems only



\*Cable required with this electrode: see Page 8 for options

## ADHESIVE ELECTRODES

### Adhesive Electrodes with Lead Wires Attached

#### Disposable Pre-Gelled Surface Electrodes

- Twelve pre-gelled Ag/AgCl electrodes per package
- Can be repositioned on the same patient

Part Number	Recording Area	Lead Length	Lead Connector	Quantity	Compatibility
9013S0212*	15mm x 20mm (263mm <sup>2</sup> )	4" (10cm)	0.7mm male touchproof	12/pkg	Dantec Keypoint G4, Keypoint Focus & Natus UltraPro S100 EMG systems only
9013S0242*	28mm x 20mm (474mm <sup>2</sup> )	2.4" (6cm)	0.7mm male touchproof	12/pkg	
9013L0453	28mm x 20mm (474mm <sup>2</sup> )	18.3" (46.5cm)	1.5mm female touchproof	12/pkg	
9013S0225*	20mm x 15mm (263mm <sup>2</sup> )	6" (15.2cm)	0.7mm male touchproof	12/pkg	
9021S0235*	28mm x 20mm (490mm <sup>2</sup> )	6" (15.2cm)	0.7mm male touchproof	12/pkg	

\*Cable required with these electrodes: see Page 8 for options

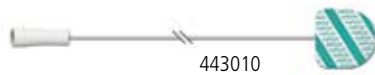


#### Disposable Pre-Gelled Surface Electrodes

- White attached lead wires terminate in 0.7mm male touchproof connectors
- Twelve pre-gelled Ag/AgCl electrodes per package (four tabs of three electrodes each)
- Can be repositioned on the same patient

Part Number	Recording Area	Lead Length	Lead Connector	Quantity	Compatibility
443010*	15mm x 20mm	6.5" (16.5cm)	0.7mm male touchproof	12/pkg	Dantec Keypoint G4, Keypoint Focus & Natus UltraPro S100 EMG systems only
454010*	20mm x 25mm	6.5" (16.5cm)	0.7mm male touchproof	12/pkg	

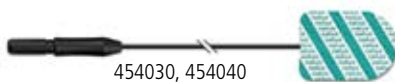
\*Cable required with these electrodes: see Page 8 for options



#### Disposable Pre-Gelled Surface Electrodes

- Color-coded (one each red, black, green per set) attached lead wires terminate in 1.5mm female touchproof connectors
- Twelve pre-gelled Ag/AgCl electrodes per package (four tabs of three electrodes each)
- Can be repositioned on the same patient

Part Number	Recording Area	Lead Length	Lead Connector	Quantity	Compatibility
443020	15mm x 20mm	47.2" (1.2m)	1.5mm female touchproof	12/pkg	Most EMG systems
454030	20mm x 25mm	47.2" (1.2m)	1.5mm female touchproof	12/pkg	
454040	20mm x 25mm	79" (2m)	1.5mm female touchproof	12/pkg	



#### Disposable Pre-Gelled Surface Electrode

- Attached white lead wire terminates in 1.5mm touchproof connectors
- Twelve pre-gelled Ag/AgCl disc electrodes per package
- Ideal for use with infants and small children

Part Number	Recording Area	Lead Length	Lead Connector	Quantity	Compatibility
019-408500	20mm x 15mm	36" (1m)	1.5mm female touchproof	12/pkg	Most EMG systems





## ADHESIVE ELECTRODES

### Adhesive Tab Electrodes

#### Disposable Ground/Tab Electrode

- Pre-gelled Ag/AgCl tab/ground electrode, 22mm x 32mm contact area
- 10 electrodes per pouch
- Ideal for NCS and SEP
- Requires reusable alligator-clip lead wires

Part Number	Type	Quantity	Compatibility
019-435300	Ground	10 pouches/box	Most EMG systems



#### Disposable Wide Version Ring Electrode

- Pre-gelled Ag/AgCl ring electrode, 8mm x 95mm contact area
- 10 electrodes per pouch
- Ideal for NCS
- Requires reusable alligator-clip lead wires

Part Number	Type	Quantity	Compatibility
019-435500	Ring	10 pouches/box	Most EMG systems



#### Disposable Bar/Disc Electrode

- Pre-gelled Ag/AgCl bar electrode, 12mm x 18mm contact area with 25mm between disc areas
- Disc contact areas marked for easy placement
- Perforated for use as individual disc electrodes
- 10 electrodes per pouch
- Requires reusable alligator-clip lead wires

Part Number	Type	Quantity	Compatibility
N6003	Bar	10 pouches/box	Most EMG systems



#### Disposable Ground Plate Electrode

- Pre-gelled Ag/AgCl ground plate electrodes; 40mm x 50mm contact area
- Two ground plate electrodes per pouch
- Ideal for NCS studies
- Requires reusable alligator-clip lead wires

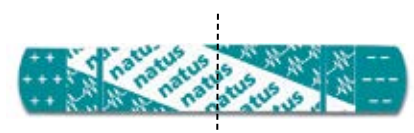
Part Number	Type	Quantity	Compatibility
019-768500	Ground Plate	25 pouches/box	Most EMG systems



#### Disposable Tab Electrode Kit

- 60 disposable bar electrodes (N6003)
- 60 disposable ring electrodes (019-435500)
- 60 disposable ground/tab (019-435300)
- Requires reusable alligator-clip lead wires

Part Number	Type	Quantity	Compatibility
N2025	30 Patient Kit	60 bar, ground & ring electrodes/pkg	Most EMG systems



## ADHESIVE ELECTRODES

### Adhesive Tab Electrodes



#### Nutab Disposable Electrode

- Pre-gelled Ag/AgCl tab electrodes
- 10 sheets of 10 electrodes
- Non-metallic, soft, thin and flexible
- Requires reusable alligator-clip lead wires

Part Number	Type	Quantity	Compatibility
101169	Nutab	100 (10 sheets of 10)	Most EMG systems



#### Care 310® Disposable Ground Electrode

- Pre-gelled Ag/AgCl ground tab electrodes
- 10 sheets of 10 electrodes each
- Excellent adhesion for quality traces
- Requires reusable alligator-clip lead wires

Part Number	Type	Quantity	Compatibility
101226	Care 310	100 (10 sheets of 10)	Most EMG systems

### Alligator-Clip Lead Wires



#### Alligator-Clip Lead Wire Sets

- Lead wires terminate in 1.5mm touchproof connectors
- Designed for use with disposable tab electrodes without lead wires

Part Number	Type	Lead Length	Quantity	Compatibility
117-401900	Complete Set	49" (1.25m)	1 set/pkg	Most EMG systems
019-417000	Red/Black Pair	49" (1.25m)	1 pair/pkg	
019-417200	Ground	49" (1.25m)	1/pkg	



#### Alligator-Clip Lead Wire Sets

- Color-coded (red, black, green) lead wires terminate in 1.5mm touchproof connectors
- Designed for use with disposable tab electrodes without lead wires

Part Number	Lead Length	Quantity	Compatibility
CB0102	24" (61cm)	1 set/pkg	Most EMG systems

### Adhesive Snap Electrodes



#### Disposable Dual-Surface EMG Electrode

- Wet gel, 14mm conductive area, foam backed
- 20mm center-to-center between electrodes
- Ideal for surface EMG and NCV studies or electrical stimulation
- Requires reusable snap leads

Part Number	Type	Quantity	Compatibility
019-429400	Dual EMG	15/pkg	Most EMG systems

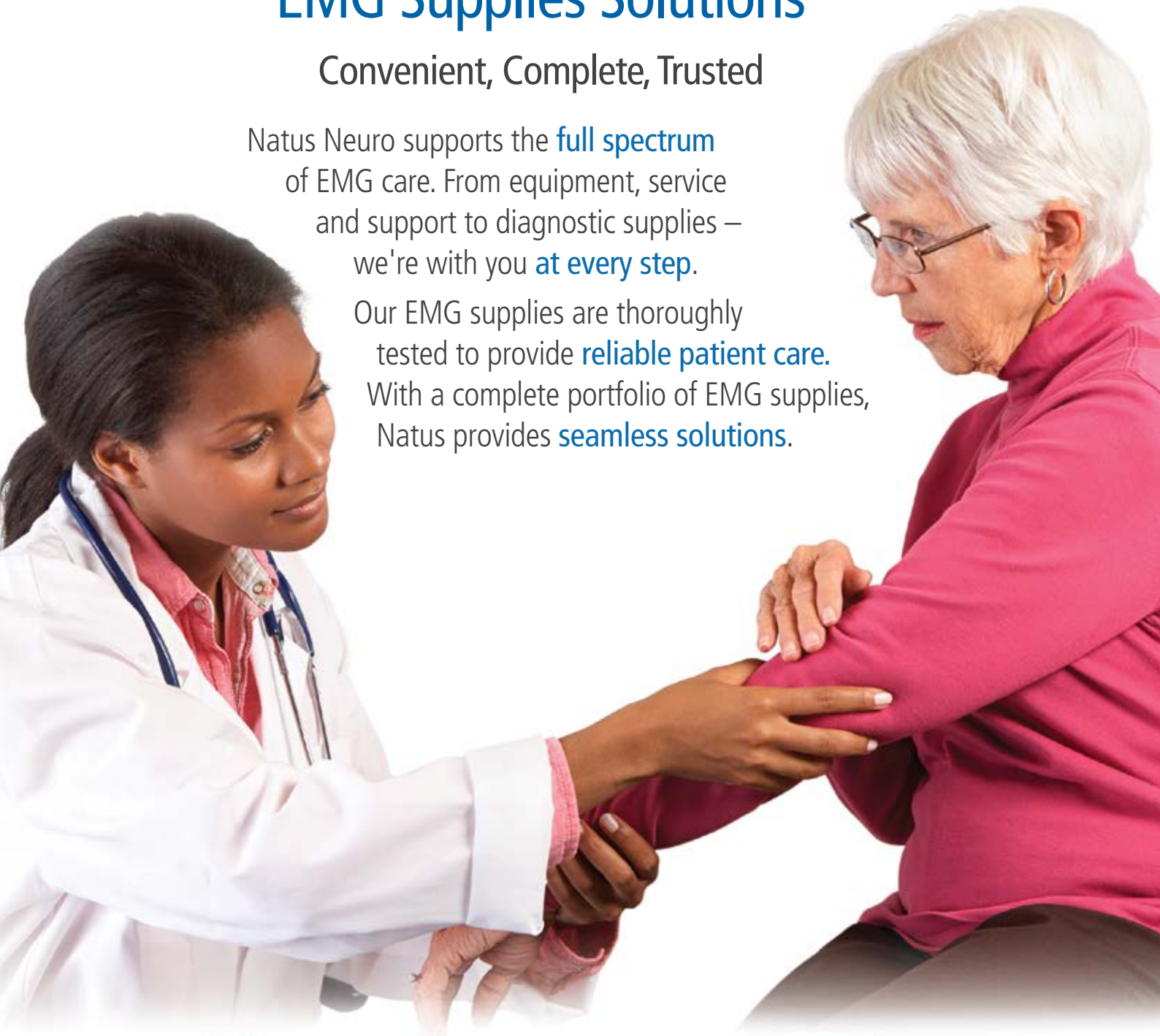
Snap leads and additional EMG electrode options are located on pages 77-79.

# EMG Supplies Solutions

Convenient, Complete, Trusted

Natus Neuro supports the **full spectrum** of EMG care. From equipment, service and support to diagnostic supplies – we're with you **at every step**.

Our EMG supplies are thoroughly tested to provide **reliable patient care**. With a complete portfolio of EMG supplies, Natus provides **seamless solutions**.



Concentric & Monopolar Needle Electrodes • Injectable Needle Electrodes • Adhesive Electrodes

## ANCILLARY EMG ITEMS

### Optional Cables & Adapters



#### Shielded 3-in-1 Monopolar Acquisition Cable

- Shielded cable connects into 5-pin DIN head box input
- Cable includes ground and reference lead wires terminating in tab clip connectors and active lead terminating in a direct hub connector

Part Number	Length 5-pin DIN to Center Yoke	Length R, G, B	Connector	Quantity	Compatibility
102608	24" (0.6m)	18" (0.45m)	5-pin DIN	1 /pkg	Most EMG amplifiers



#### Shielded 3-in-1 Extension Cable

- 39" (100cm) shielded monopolar acquisition extension cable with 5-pin DIN to ground and reference clips plus active lead male touchproof connector

Part Number	Connector	Quantity	Compatibility
W6179H	5-pin DIN	1/pkg	Most EMG amplifiers



#### Shielded Reusable Lead Cable for Disposable Monopolar Needle Electrodes

- 24" (61cm) shielded lead wire with molded monopolar needle connector to 5-pin DIN Connector

Part Number	Quantity	Compatibility
902-SLC	1/pkg	Most EMG amplifiers



#### Shielded Shuttle Cable

- 24" (61cm) shielded cable with 3 touchproof sockets to 5-pin DIN plug

Part Number	Quantity	Compatibility
2002-TP	1/pkg	Most EMG amplifiers



#### Alligator-Clip Cables

- For use with pre-gelled tab electrodes
- Cable withstands >50 lb pull test

Part Number	Type	Length	Electrode End	Instrument End	Quantity	Compatibility
9013C0232	Shielded	39" (1m)	3 color-coded clips (red, green, black)	5-pin DIN	1/pkg	Most EMG systems
9013P0602	Unshielded	31" (80cm)	Clip Connector - Green	1.5mm touchproof connector	1/pkg	
9013P0642	Unshielded	31" (80cm)	Clip Connector - Red	1.5mm touchproof connector	1/pkg	

## ANCILLARY EMG ITEMS

### Optional Cables & Adapters

#### HUSH® Yoke Cables

- Converts 2mm connectors to touchproof connectors
- Converter cable: Plug directly into a safe 5-pin 240° female DIN connector; then plug any touchproof electrode into the three jacks or DIN
- Fully shielded to reduce artifact

Part Number	Length	Instrument End	Quantity	Electrode End	Compatibility
9013C0302	59" (1.5m)	5-pin DIN - Right Angle	1/pkg	Three 1.5mm male touchproof connectors (red, black, green) plus a female 5-pin DIN	Most EMG amplifiers
9013C0312	59" (1.5m)	5-pin DIN - Straight	1/pkg		
9013C0402	4" (0.1m)	5-pin DIN - Straight	1/pkg		
9013C0422	157"(4m)	5-pin DIN - Right Angle	1/pkg		



#### Touchproof to DIN Adapter Cable

- 5-pin DIN female connector to touchproof connectors

Part Number	Electrode End	Instrument End	Quantity	Compatibility
9013P0283	5-pin DIN female	2 x 1.5mm female touchproof	1/pkg	Most EMG systems



#### Extension Cable for Monopolar Needles

- Three each red and black lead wires terminating in touchproof connectors

Part Number	Length	Electrode End	Instrument End	Quantity	Compatibility
902-EX-TP	24" (61cm)	1.5mm male touchproof	1.5mm female touchproof	6/pkg	Most EMG systems



#### Natus® Concentric Cable Adapter

- 5-pin female DIN connector to two 1.5mm female touchproof connectors and one stackable male/female touchproof connector

Part Number	Length	Quantity	Compatibility
085-417401	6" (15.2cm)	1/pkg	Pudendal, bar & handheld stimulating electrodes



## DID YOU KNOW?

Carpal Tunnel Syndrome accounts for 90% of all nerve compression syndromes

## ANCILLARY EMG ITEMS

### Temperature Probes & Electrodes



#### Mini-Temp Hearts & Flexible Surface Temperature Probe

- Mini-Temp Hearts heat-reflecting shields are used with flexible surface temperature probe
- Temperature probe consists of small stainless steel sensor disc attached to flexible Teflon® wire
- For use with children and adults

Part Number	Type	Length	Quantity	Compatibility
268-411800	Flexible Surface Temp Probe	72" (1.9m)	1/pkg	Nicolet VikingQuest & EDX systems only. Use with 4mm male phone plug
123-401600	Mini-Temp Hearts	n/a	100/pkg	

#### Disposable Temperature Electrode

- For skin temperature calibration when a calibrated system is not available
- Adhesive backing for easy application; 75mm x 13mm
- Temperature range: 84-106° F; 29-41° C

Part Number	Type	Quantity	Compatibility
019-406000*	Temperature Electrodes	50/pkg	Most EMG systems

\*Not for sale in US & Canada



#### Reusable Temperature Probe with Ferrite

- Plugs directly into the preamplifier/patient interface unit

Part Number	Type	Quantity	Compatibility
040D040	Temperature Probe	1/pkg	Nicolet Synergy Plinth & Synergy PIU EMG systems only

### Tendon (Reflex) Hammer

#### Tendon (Reflex) Hammer

- For mechanical triggering in reflex studies
- Length of hammer: 9.5" (24cm)

Part Number	Type	Lead Length	Instrument End	Quantity	Compatibility
842-116700	Tendon Hammer	120" (3m)	1/8" mini-phone plug	1/pkg	Nicolet VikingQuest & EDX systems only



#### Tendon (Reflex) Hammer

- For mechanical triggering in reflex studies
- Length of hammer: 8.75" (22.23cm)

Part Number	Type	Lead Length	Instrument End	Quantity	Compatibility
9031E0402	Tendon Hammer	66" (1.68m)	9-pin D-sub connector	1/pkg	Dantec systems only



### Sharps Container

#### Sharps Heavy-Duty Polypropylene Containers

- Made of rigid, high-impact polypropylene
- Meets DC, EPA and JCAH guidelines
- Not wall mountable

Part Number	Type	Quantity
122-739000	1 Quart Container	1/pkg
122-739100	2 Quart Container	1/pkg



## ANCILLARY EMG ITEMS

### EMG Needle Holder

#### EMG Needle Holder

- Ideal for managing needle electrodes and other dangerous sharps
- Can be adhered to the EMG system or amplifier

Part Number	Type	Quantity
515-018300	EMG Needle Holder	1/pkg



#### EMG Needle Holder

- Ideal for managing needle electrodes and other dangerous sharps
- Effective safety device can be clamped onto either side of most EMG systems

Part Number	Type	Size	Quantity
842-122600	EMG Needle Holder	2.8" (7cm) x 1" (2.5cm)	1/pkg



### Velcro® Straps

#### Velcro® Straps

- Provide patient comfort while holding electrodes securely in place
- May be attached to each other for large limb applications

Part Number	Type	Strap Length	Quantity
698-621400	Red Velcro Strap	1" (2cm) x 22" (55cm)	3/pkg



### Acceleration Sensors

#### Acceleration Transducer

- For tremor analysis

Part Number	Description	Quantity	Compatibility
9013L0241*	Acceleration transducer with 200cm cable	1/ea	Dantec Keypoint G4 and Keypoint Focus

\*Not for sale in US & Canada



### Acupuncture Needles

#### Acupuncture Needles

- Sterile EMG disposable needles

Part Number	Type	Size	Quantity
630558*	Acupuncture needles	13mm length; 0.20mm diameter	Individually blistered; 100/pkg

\*Not for sale in US & Canada



## MULTI-MEDIA TRAINING MATERIAL

### EMG Educational Series Subscription

Series Editor: Sanjeev D. Nandedkar, PhD

- Convenient 24/7 streaming access
- One year subscriptions available for all modules
- Unlimited usage during the subscription period
- Institutional license covers all 12 EMG Educational Video volumes

#### 023400 - Volume I

Electronic Myoanatomic Atlas for Clinical Electromyography (2nd Edition)

#### 023401 - Volume II

Electronic Atlas of Electromyographic Waveforms (2nd Edition)

#### 023402 - Volume III

Sensory Nerve Conduction Studies

#### 023403 - Volume IV

Motor Nerve Conduction Study  
and Late Responses

#### 023404 - Volume V

Basic Nerve Conduction Studies

#### 023405 - Volume VI

Electrodiagnostic Evaluation of the Foot

#### 023406 - Volume VII

Electrodiagnostic Evaluation  
of Ulnar Neuropathy

#### 023407 - Volume VIII

Uncommon Nerve Conduction Studies

#### 023408 - Volume IX

Electrodiagnostic Evaluation of  
Carpal Tunnel Syndrome

#### 023409 - Volume X

Single Fiber Electromyography

#### 023410 - Volume XI

Basic Evoked Potentials

#### 023411 - Volume XII

Repetitive Nerve Stimulation

#### 023412 - Essential EDX: Volume I

Instrumentation: Principles and Practice

#### 023413 - Essential EDX

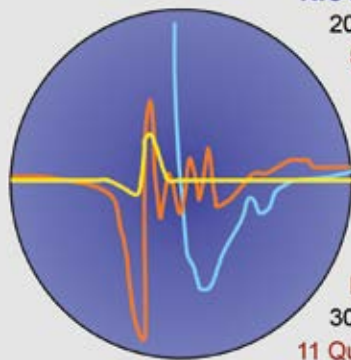
Volume II. Insertional and Spontaneous Activity

#### 023414 - Institutional License for Teaching Institutes

All 12 Volumes


**EMG on DVD**  
Editor: Sanjeev D. Nandedkar, Ph. D.  
**Volume II (Second Edition) For Windows 10, 8, 7.**

**Electronic Atlas of Electromyographic Waveforms**  
Authors: Paul E. Barkhaus, M.D., Sanjeev D. Nandedkar, Ph.D



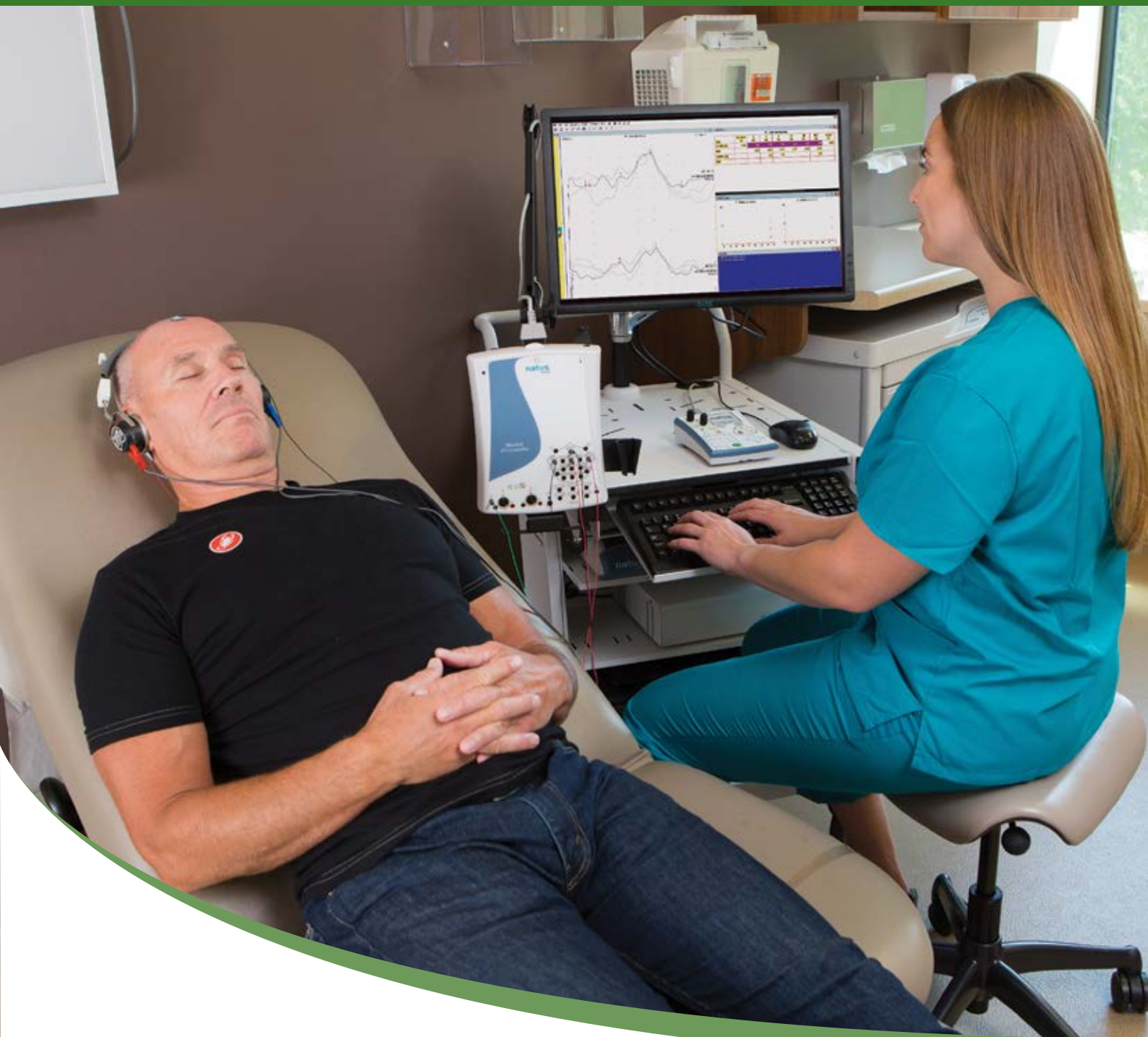
**Two DVDs**

- 20+ hours of instruction
- 59 Lectures**
- Instrumentation,  
Insertional &  
Spontaneous Activity,  
Motor Unit Potentials,  
Interference Pattern,  
Recruitment
- Frame by frame review
- 300+ Live signals
- 11 Quizzes**



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[www.netemp.com](http://www.netemp.com)





# Natus EP Supplies

Auditory • EP Electrodes  
Ancillary EP Supplies • EP Goggles & Headphones

## AUDITORY

### Tubal Insert Phones (TIPs) Kits

- ✓ For auditory studies including evoked potentials, audiometry & intraoperative monitoring
- ✓ TIPs maximize interaural stimulus isolation, help prevent ear canal collapse & reduce stimulus artifact



#### Reusable Left & Right Tubal Insert Phones with Cable

- Three red and three blue silicone tubes
- Two clips with Velcro® loop pads
- Disposable foam ear tips:
  - Fifty regular/13mm
  - Four jumbo/18mm
  - Ten baby/10mm
- Impedance probe adapters

Part Number	Description	Quantity	Compatibility
041-704000	TIP 300 Kit	1 kit/pkg	Nicolet systems

Part Number	Description	Cable Length	Quantity
085-746400	Replacement Cable	16' (4.88m)	1/pkg



#### Reusable Left & Right Tubal Insert Phones with Cable

- Three red and three blue silicone tubes
- Two clips with Velcro® loop pads
- Disposable foam ear tips:
  - Fifty regular/13mm
  - Four jumbo/18mm
  - Ten baby/10mm
  - Ten infant/3.5mm
  - Ten infant/4.0mm
- Impedance probe adapters

Part Number	Description	Connector	Quantity	Compatibility
10250	Xitek XCalibur EMG & Protektor IOM TIPs Kit	Lemo	1 kit/pkg	Xitek XCalibur & Protektor systems
005562	Protector32 IOM TIPs Kit	5-pin circular connector	1 kit/pkg	Protector32 system



#### Reusable Left & Right Tubal Insert Phones with Cable

Part Number	Description	Quantity	Compatibility
9031E0277	Dantec Keypoint TIPs Kit	1 kit/pkg	Dantec Keypoint G4, Keypoint Focus & Natus UltraPro S100 EMG systems

## AUDITORY

### Tubal Insert Phones (TIPs) Supplies

#### Disposable Polyurethane Foam Ear Tips

- Single patient use only

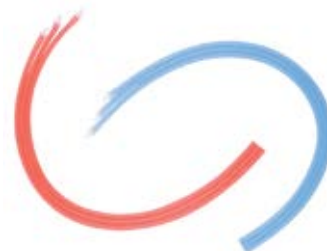
Part Number	Type	Quantity	Compatibility
103342	18mm, yellow	24/pkg	All Natus Tubal Insert Phones
1700-9604	13mm, yellow	50/pkg	
1700-9605	10mm, beige	50/pkg	



#### Replacement Red/Blue Silicone Tubes

- Three red and three blue tubes per pack
- Three pairs of additional replacement connectors
- Nubbies are designed to work with replacement tubes

Part Number	Type	Quantity	Compatibility
1700-9688	Red/Blue Tubes	3 each color/pkg	All Natus Tubal Insert Phones
1700-9686	Nubbies	10/pkg	



#### Replacement Clear Silicone Tubes

- Three pairs clear tubes per pack
- Three pair replacement connectors
- Nubbies are designed to work with replacement tubes

Part Number	Type	Quantity	Compatibility
019-411200	Clear Tubes	6/pkg	All Natus Tubal Insert Phones
1700-9686	Nubbies	10/pkg	



#### Replacement Impedance Adapter Tip

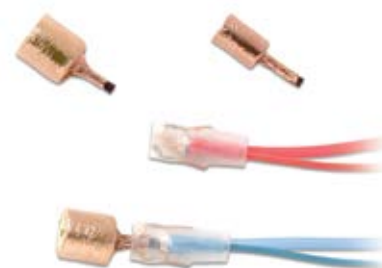
Part Number	Type	Quantity	Compatibility
019-428400	Adapter Tip	4/pkg	All Natus Tubal Insert Phones



#### Gold TIPtrodes/Reusable TIPtrode Cable

- Gold foil-wrapped polyurethane foam eartip electrodes offer both sound delivery and recording functions in one unit
- Enhances Wave I amplitude but may be used for ABR and all other auditory EP recording/testing
- TIPtrodes require one pair of TIPtrode cables
- Single patient use only

Part Number	Type	Quantity	Compatibility
019-746802	10mm TIPtrode	20/pkg	All Natus Tubal Insert Phones
019-741901	13mm TIPtrode	20/pkg	
085-415000	9.8" (250mm) TIPtrode Cable	1 pair/pkg	



#### Replacement Ear Tips

- For use with 019-428400 Impedance Adapter Tips
- Soft ear tips made of PVC plastic

Part Number	Type	Quantity	Compatibility
842-507300	3.5mm Tips	10/pkg	All Natus TIPtrode (Tubal Insert) Phones
842-507400	4mm Tips	10/pkg	
842-507500	5mm Tips	10/pkg	



## AUDITORY

### Tubal Insert Phones (TIPs) Supplies



#### Eartips

- Made from wipe-clean PVC; autoclavable; keep tips separate during autoclaving
- Introduce a delay of 0.3ms due to stimulus travel time through coupled tubes

Part Number	Type	Quantity	Compatibility
51023	Premature	10/pkg	All Natus TIPtrode (Tubal Insert) Phones
51019	Neonatal	10/pkg	
51020	Infant	10/pkg	
51021	Child	10/pkg	
51022	Adult	10/pkg	



#### 300 Ohm Bone Vibrator Transducer

- Used to determine conductive hearing loss or indicate presence of middle ear pathology
- Includes 15' (4.6m) cable

Part Number	Type	Quantity	Compatibility
842-202600	Bone Vibrator Transducer	1/pkg	Nicolet VikingQuest or EDX Systems

## EP ELECTRODES



#### Disposable Center Snap Round Electrodes

- Wet gelled Ag/AgCl vinyl-backed electrode, 1-3/8" diameter, 5/8" recording area
- Requires reusable snap lead wires which can be found in the PSG and EMG sections of this catalog

Part Number	Type	Quantity	Compatibility
842-507900	Round Snap	10/pkg	Most EP systems



#### Disposable Center Snap Rectangular Electrodes

- Solid gel Ag/AgCl electrodes foam backed, 1.75" x 0.8125", 0.5" recording area
- Requires reusable snap lead wires which can be found in the PSG and EMG sections of this catalog

Part Number	Type	Quantity	Compatibility
019-767700	Rectangle Snap	250 electrodes (25 packs of 10)	Most EP systems



#### Disposable ERG Jet Contact Lens Electrode

- 11.37mm clear polycarbonate lens features a concentric gold electrode near its perimeter on the concave surface
- Cable terminates in 1.5mm female touchproof connectors

Part Number	Type	Lead Length	Quantity	Compatibility
842-216700*	Contact Lens	39" (1m)	12/pkg	Most EP systems

\*Not for sale in Canada

## EP GOGGLES & HEADPHONES

### Goggles

#### Nicolet® Goggles

Part Number	Description	Compatibility
842-106504	LED Goggles	VikingQuest or EDX system with visual stimulator



#### Natus® UltraPro & Dantec® Keypoint® Goggles

Part Number	Description	Compatibility
9031E0223	LED Goggles	Natus UltraPro S100, Dantec Keypoint Focus & Keypoint G4 with visual stimulator



#### Xltek® Protektor32 Goggles

Part Number	Description	Compatibility
005031	LED Goggles	Xltek Protektor32



### Headphones

#### Nicolet® Headphones

Part Number	Description	Compatibility
842-202700	Unshielded Headphones, 300 Ohm	Nicolet VikingQuest or EDX system with auditory stimulator
842-202300	Shielded Headphones, 300 Ohm	

842-202700



842-202300



#### Natus® UltraPro & Dantec® Keypoint® Headphones

Part Number	Description	Compatibility
9031E0258	Calibrated Headphones	Natus UltraPro S100, Dantec Keypoint Focus & Keypoint G4 with auditory stimulator



#### Xltek® Protektor32 Headphones

Part Number	Description	Compatibility
005032	Auditory Stimulus Headphones	Xltek Protektor32



# Natus Neuro Customer Care

## A global service organization here for you

### Customer Service

Excellence in customer service and support is a core value held throughout the entire company. We work cooperatively to develop long-term relationships with our customers to provide products, tools and services for clinical excellence.

### Technical Service

Our Technical Support organization is focused, agile and committed to serving healthcare professionals worldwide. Providing our customers more time to care for their patients is our goal. Customer loyalty is our reward.

### Field Service

Our dedicated field service team assists with onsite installation and repair of your Natus equipment. Our expansive support team includes over 100 Technical Support and Field Service Representatives.

### Natus Neuro Essential Support Elements

- Accessible and effective technical support
- Definitive technical documentation and knowledgeable installation teams
- Excellent replacement unit or spare part availability
- Extended warranty and service coverage programs
- Comprehensive, flexible and regular customer training courses



**natus**<sup>®</sup>  
neuro

At Natus Neuro, we know that the performance of our service organization is as important to meeting clinical needs as the quality of our products and we are here to serve you, our valued customers.



# Natus EEG Supplies

EEG Electrodes • EEG Caps • Cortical Stimulation  
Ancillary EEG Supplies • Educational Aids

All electrodes in the EEG section of this catalog are compatible with all Natus EEG systems unless otherwise noted.

## EEG ELECTRODES

### Grass® Gold & Silver Reusable Cup Electrodes



#### Genuine Grass® Reusable Cup Electrodes

- Each Genuine Grass Electrode undergoes rigorous mechanical and electrical testing to assure long life
- Unsurpassed recording clarity and dependability
- Choice of 10mm diameter cast cups in gold, silver or 6mm diameter gold cast cups
- Choice of three unique, versatile 1.5mm touchproof connectors
- Choice of lightweight or tangle-free lead wires; both include Kevlar® strands for added strength
- Compatible with steam and EtO sterilization
- Ten lead wire colors:

Part Number	Cup Type	Wire Length & Type	Connector Type	Quantity
F-E5GH-12	10mm Gold with 2mm hole	12" (0.31m) Lightweight Teflon	Molded 1.5mm touchproof	10/box
F-E5GH-24	10mm Gold with 2mm hole	24" (0.61m) Lightweight Teflon	Molded 1.5mm touchproof	10/box
F-E5GH-30	10mm Gold with 2mm hole	30" (0.76m) Lightweight Teflon	Molded 1.5mm touchproof	10/box
F-E5GH-48	10mm Gold with 2mm hole	48" (1.22m) Lightweight Teflon	Molded 1.5mm touchproof	10/box
F-E5GH-60	10mm Gold with 2mm hole	60" (1.52m) Lightweight Teflon	Molded 1.5mm touchproof	10/box
F-E5GH-72	10mm Gold with 2mm hole	72" (1.83m) Lightweight Teflon	Molded 1.5mm touchproof	10/box
F-E5GH-96	10mm Gold with 2mm hole	96" (2.44m) Lightweight Teflon	Molded 1.5mm touchproof	10/box
F-E5GH-120	10mm Gold with 2mm hole	120" (3.05m) Lightweight Teflon	Molded 1.5mm touchproof	10/box
F-E6GH-48	6mm Gold Ped with 1.5mm hole	48" (1.22m) Lightweight Teflon	Molded 1.5mm touchproof	10/box
F-E5SH-48	10mm Silver with 2mm hole	48" (1.22m) Lightweight Teflon	Molded 1.5mm touchproof	10/box
F-E5SH-72	10mm Silver with 2mm hole	72" (1.83m) Lightweight Teflon	Molded 1.5mm touchproof	10/box
FH-E5GH-48	10mm Gold with 2mm hole	48" (1.22m) Lightweight Teflon	Hand-Crafted 1.5mm touchproof	10/box
FH-E5GH-60	10mm Gold with 2mm hole	60" (1.52m) Lightweight Teflon	Hand-Crafted 1.5mm touchproof	10/box
FH-E5GH-72	10mm Gold with 2mm hole	72" (1.83m) Lightweight Teflon	Hand-Crafted 1.5mm touchproof	10/box
FH-E5GH-96	10mm Gold with 2mm hole	96" (2.44m) Lightweight Teflon	Hand-Crafted 1.5mm touchproof	10/box
FH-E5SH-48	10mm Silver with 2mm hole	48" (1.22m) Lightweight Teflon	Hand-Crafted 1.5mm touchproof	10/box
FD-E5GH-48	10mm Gold with 2mm hole	48" (1.22m) Lightweight Teflon	Extra-Width 1.5mm touchproof	10/box
FD-E5GH-60	10mm Gold with 2mm hole	60" (1.52m) Lightweight Teflon	Extra-Width 1.5mm touchproof	10/box
FD-E5GH-72	10mm Gold with 2mm hole	72" (1.83m) Lightweight Teflon	Extra-Width 1.5mm touchproof	10/box
FD-E5GH-96	10mm Gold with 2mm hole	96" (2.44m) Lightweight Teflon	Extra-Width 1.5mm touchproof	10/box
FS-E5GH-48	10mm Gold with 2mm hole	48" (1.22m) No-Tangle Silicone	Molded 1.5mm touchproof	10/box
FS-E5GH-60	10mm Gold with 2mm hole	60" (1.52m) No-Tangle Silicone	Molded 1.5mm touchproof	10/box
FS-E5GH-72	10mm Gold with 2mm hole	72" (1.83m) No-Tangle Silicone	Molded 1.5mm touchproof	10/box
FS-E5GH-96	10mm Gold with 2mm hole	96" (2.44m) No-Tangle Silicone	Molded 1.5mm touchproof	10/box
FS-E5GH-120	10mm Gold with 2mm hole	120" (3.05m) No-Tangle Silicone	Molded 1.5mm touchproof	10/box
FS-E5SH-48	10mm Silver with 2mm hole	48" (1.22m) No-Tangle Silicone	Molded 1.5mm touchproof	10/box
FS-E5SH-60	10mm Silver with 2mm hole	60" (1.52m) No-Tangle Silicone	Molded 1.5mm touchproof	10/box



Heavy 24k Gold plate over pure silver cast cup



Pure, solid Silver cast cup, burnished for a smooth finish




Heavy 24k Gold plate over pure silver



## EEG ELECTRODES

### Other Reusable & Disposable Cup Electrodes


#### Grass® Reusable EEG Stamped Cup Electrodes

- Choice of gold, silver or Ag/AgCl 10mm cups
- Pediatric 6mm Ag/AgCl cup available
- No-lift contour adjustable cup neck for low profile
- Molded plastic 1.5mm touchproof connector
- Six lead wire colors: two each: 

Part Number	Cup Type	Lead Length	Quantity
019-477500	10mm Gold	39" (1.0m)	12/pkg
019-477600	10mm Gold	59" (1.5m)	12/pkg
019-478600	10mm Gold	79" (2.0m)	12/pkg
019-477700	10mm Gold	98" (2.5m)	12/pkg
019-477800	10mm Silver	39" (1.0m)	12/pkg
019-477900	10mm Silver	59" (1.5m)	12/pkg
019-478700	10mm Silver	79" (2.0m)	12/pkg
019-478800	10mm Silver	98" (2.5m)	12/pkg
019-478400	10mm Ag/AgCl	39" (1.0m)	12/pkg
019-478500	10mm Ag/AgCl	59" (1.5m)	12/pkg
019-478900	10mm Ag/AgCl	79" (2.0m)	12/pkg
019-479000	10mm Ag/AgCl	98" (2.5m)	12/pkg
019-479100	6mm Ag/AgCl Pediatric	59" (1.5m)	12/pkg




#### Reusable "Tangle Free" 10mm EEG Cup Electrodes

- Choice of gold, silver or Ag/AgCl cups
- Molded plastic electrode hub for sure grip and easy electrode placement
- Molded plastic 1.5mm touchproof connector
- Six lead wire colors: two each: 

Part Number	Type	Lead Length	Quantity
019-414400	Gold	39" (1.0m)	12/pkg
019-413900	Gold	59" (1.5m)	12/pkg
019-433800	Gold	98" (2.5m)	12/pkg
019-414600	Silver	39" (1.0m)	12/pkg
019-414100	Silver	59" (1.5m)	12/pkg
019-417600	Ag/AgCl	39" (1.0m)	12/pkg
019-417700	Ag/AgCl	59" (1.5m)	12/pkg



#### Natus® Reusable "Tangle Free" 6mm Pediatric EEG Cup Electrodes

- Choice of gold or silver cups
- Molded plastic electrode hub for sure grip and easy electrode placement
- Molded plastic 1.5mm touchproof connector
- Six lead wire colors: two each: 

Part Number	Type	Lead Length	Quantity
019-772500	Gold	39" (1.0m)	12/pkg
019-772600	Gold	59" (1.5m)	12/pkg
019-772100	Silver	39" (1.0m)	12/pkg
019-772200	Silver	59" (1.5m)	12/pkg



## EEG ELECTRODES

### Other Reusable & Disposable Cup Electrodes



#### Grass® Disposable EEG Cup Electrodes

- Wide, flat rim rests gently on skin
- Ag/AgCl-coated ABS cup with 2mm hole
- Single use eliminates the risk of cross-contamination
- Flexible lead wires terminating in 1.5mm touchproof connectors
- Ten lead wire colors:

Part Number	Type	Lead Length	Quantity
019-477200	10mm Ag/AgCl	39" (1.0m)	10/pkg
019-477300	10mm Ag/AgCl	59" (1.5m)	10/pkg
019-477400	10mm Ag/AgCl	79" (2.0m)	10/pkg
019-479200	10mm Ag/AgCl	98" (2.5m)	10/pkg



#### Grass® Disposable EEG Deep-Cup Electrodes

- Holds 50% more paste; good choice for LTM
- Ag/AgCl-coated ABS cup with 2mm hole
- Single use eliminates the risk of cross-contamination
- Flexible lead wires terminating in 1.5mm touchproof connectors
- Ten lead wire colors:

Part Number	Type	Lead Length	Quantity
023146	10mm Ag/AgCl	39" (1.0m)	10/pkg
023147	10mm Ag/AgCl	59" (1.5m)	10/pkg
023148	10mm Ag/AgCl	79" (2.0m)	10/pkg
023149	10mm Ag/AgCl	98" (2.5m)	10/pkg



#### Value Line Disposable EEG Deep-Cup Electrodes

- Ag/AgCl-coated ABS cup with 2mm hole
- Single use eliminates the risk of cross-contamination
- No cleaning and maintenance; use once and throw away
- Flexible lead wires terminate in 1.5mm female touchproof connectors
- Ten lead wire colors

Part Number	Type	Lead Length	Quantity
017501	10mm Ag/AgCl	39" (1.0m)	10/pkg
017502	10mm Ag/AgCl	59" (1.5m)	10/pkg
017503	10mm Ag/AgCl	79" (2.0m)	10/pkg
017504	10mm Ag/AgCl	98" (2.5m)	10/pkg



#### Genuine Grass® Reusable Ear Clip Electrodes

- Pair of 10mm cup electrodes mounted in a plastic clamp
- Two ear clip electrodes per package; black lead wires
- 1.5mm touchproof connectors

Part Number	Type	Lead Length	Quantity
F-E34DG-48	10mm Gold	48" (1.22m)	1 pair/box
F-E34DG-72	10mm Gold	72" (1.83m)	1 pair/box
F-E34DS-48	10mm Silver	48" (1.22m)	1 pair/box



#### Natus® Reusable Ear Clip Electrodes

- Pair of electrodes mounted on a spring-steel clamp
- Two ear clip electrodes per package; one red and one blue lead wire
- 1.5mm touchproof connectors

Part Number	Type	Lead Length	Quantity
019-405500	10mm Ag/AgCl	39" (1.0m)	1 pair/pkg
019-405400	6mm Ag/AgCl	39" (1.0m)	1 pair/pkg

## EEG ELECTRODES

### Other Reusable & Disposable Cup Electrodes

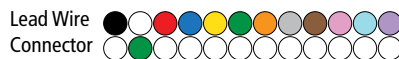
#### MR Conditional Electrodes

- Convenient, time saving and cost effective
- Stay in place during Magnetic Resonance Imaging scans (MRIs); quickly reconnect to resume EEG after imaging
- Produce artifact-free MRI images
- Use with Ten20 or comparable conductive adhesive paste
- Twelve color-coded MR Conditional electrodes and extension cables per pack
- Non-MR Conditional extension cables terminate in 1.5mm female touchproof connectors at instrument end
- Can be used with magnetic fields ranging from 1.5 to 3.0 Tesla
- Clearly marked with MR Conditional symbols for easy identification by radiology staff
- Optional 017437 LeadLock organizes leads and facilitates easy, accurate connection

#### Color Group 1 (1 – 12)



#### Color Group 2 (13 – 24)



#### Disposable MR Conditional Cups

Part Number	Type	Lead Length	Color Group	Quantity
017429	10mm Ag/AgCl	240mm lead with 1.0m lead	1	12/pkg
017430	10mm Ag/AgCl	240mm lead with 1.5m lead	1	12/pkg
017431	10mm Ag/AgCl	240mm lead with 1.0m lead	2	12/pkg
017432	10mm Ag/AgCl	240mm lead with 1.5m lead	2	12/pkg

#### Disposable MR Conditional Deep Cups

Part Number	Type	Lead Length	Color Group	Quantity
017433	10mm Ag/AgCl	240mm lead with 1.0m lead	1	12/pkg
017434	10mm Ag/AgCl	240mm lead with 1.5m lead	1	12/pkg
017435	10mm Ag/AgCl	240mm lead with 1.0m lead	2	12/pkg
017436	10mm Ag/AgCl	240mm lead with 1.5m lead	2	12/pkg

#### Disposable MR Conditional PressOn

Part Number	Type	Lead Length	Color Group	Quantity
017438	10mm Ag/AgCl	240mm lead with 1.0m lead	1	12/pkg
017439	10mm Ag/AgCl	240mm lead with 1.5m lead	1	12/pkg
017440	10mm Ag/AgCl	240mm lead with 1.0m lead	2	12/pkg
017441	10mm Ag/AgCl	240mm lead with 1.5m lead	2	12/pkg



#### LeadLock™

- Organizes MR Conditional EEG Cup, Deep Cup and PressOn Electrodes

Part Number	Description	Quantity
017437	1 set of 2 LeadLocks	1 set/pkg



## EEG ELECTRODES

### Electrode Caps



HC0017  
waveguard  
256-channel  
original  
(medium)



021122



021125

021126



021127

#### waveguard™ original Head Caps

- Ag/AgCl electrodes ensure quality and flexibility for a wide range of applications
- Available with 23, 64, 128 or 256 active EEG electrodes, plus reference and ground
- Direct connection to Natus Quantum amplifier pin boxes; adapter terminating in 1.5mm touchproof connectors also available
- Coolmax™ breathable fabric for enhanced comfort and short drying times; easy to use and maintain

waveguard original head caps							
Part Number	Size	Fabric Color L, C & R	Description	Compatibility	Electrode Type	Layout	Quantity
021115	Large	● ● ●	23-channel + reference & ground, waveguard original cap, chin strap & adapter, 68-pin connector, 6' (1.8m) cable. 1-year warranty	Quantum only (68-pin connector), unless optional 022390 adapter used*	Sintered Ag/AgCl	International 10-20 Electrode Placement	1/pkg
021114	Medium	● ● ●					
021113	Small	● ● ●					
021112	Child	● ● ●					
021110	Infant	● ● ●					
021304	Baby	● ● ●	64-channel + reference & ground, waveguard original cap, chin strap & adapter, 68-pin connector, 6' (1.8m) cable. 1-year warranty	Quantum only (68-pin connector), unless optional 022390 adapter used*	Sintered Ag/AgCl	10-10 Electrode Placement	1/pkg
021121	Large	● ● ●					
021120	Medium	● ● ●					
021119	Small	● ● ●					
021118	Child	● ● ●					
021117	Infant	● ● ●	128-channel + reference & ground, waveguard original cap, chin strap & adapter, 68-pin connector, 6' (1.8m) cable. 1-year warranty	Quantum only (2 x 68-pin connector), unless optional 022390 adapter used*	Sintered Ag/AgCl	10-5 Electrode Placement	1/pkg
021116	Baby	● ● ●					
HC0016	Large	● ● ●					
HC0015	Medium	● ● ●					
HC0014	Small	● ● ●					
HC0013	Child	● ● ●	256-channel + reference & ground, waveguard original cap, chin strap & adapter, 68-pin connector, 6' (1.8m) cable. 1-year warranty	Quantum only (4 x 68-pin connector), unless optional 022390 adapter used*	Sintered Ag/AgCl	Equidistant Electrode Placement	1/pkg
HC0018	Large	● ● ●					
HC0017	Medium	● ● ●					

Size	Head Cap Sizing Fits Head Circumference (Range)
Baby	14.2-15.4" (36-39cm)
Infant	15.4-16.9" (39-43cm)
Child	16.9-18.5" (43-47cm)
Small	18.5-20.1" (47-51cm)
Medium	20.1-22.1" (51-56cm)
Large	22.1-24.1" (56-61cm)

waveguard original accessories		
Part Number	Type/Description	Quantity
022390*	Adapter from Quantum 68-pin bulk connector to standard 1.5mm DIN 42802 touchproof connectors	1/pkg
021122	Replacement chin strap with clips for head cap, length 0.8-5.5" (2-14cm)	1/pkg
021123	Fastfix quick repair/insert electrode for waveguard original cap; 78.7" (2m) cable, touchproof connector	1/pkg
021124	Chin pad for patients with pressure sensitivity. 70mm x 120mm, 1mm thick (Alternative to 021122)	1/pkg
021125	Blunted Needle, 18G x 1.0" (2.54cm) Cannula, Luer Lock, stainless steel, aluminum hub, disposable, sterile	25/pkg
021126	Monoject™ Syringe, 6ml, Luer Lock, disposable, for gel application	50/pkg
021127	Optional chest belt with connection to head cap, shoulder strap length 11.8-20.5" (30-52cm); adjustable chest strap length up to 27.6" (70cm)	1/pkg
122-407000**	Electro-Gel™, 16oz (473ml)	1/pkg

\*\*Not for sale in Canada

## EEG ELECTRODES

### Electrode Caps

#### waveguard™ connect Head Caps

- waveguard connect: excellent choice for everyday EEG applications
- 21 active EEG electrodes, plus reference and ground
- Convenient connection to all EEG systems is achieved with optional adapters to individual 1.5mm touchproof connectors
- Coolmax™ breathable fabric for enhanced comfort and short drying times; easy to use and maintain



Head Cap example

waveguard connect head caps						
Part Number	Size	Fabric Color L, C & R	Description	Electrode Type	Layout	Quantity
021131	Large	● ● ●	Each head cap features 21 channels + reference & ground and includes a chin strap.  Standard output is a DB25 connector; amplifier connection requires an adapter (sold separately; see below).  90-day warranty	Tin	International 10-20 Electrode Placement	1/pkg
021132	Medium	● ● ●				
021133	Small	● ● ●				
021134	Child	● ● ●				
021135	Infant	● ● ●				
021136	Baby	● ● ●				

waveguard connect adapters; at least one is required		
021128	Adapter for Xltek and other EEG amplifiers not addressed below; DB25 male connector to individual touchproof connectors, 12.2" (31cm) cable length	1/pkg
085-481300	Adapter for Nicolet v32 and v44 amplifiers	1/pkg
503171NE	Adapter for Schwarzer/Deltamed Brainbox 1042 EEG amplifier (International only; not available in the US or Canada)	1/pkg



021128



085-481300

waveguard connect accessories		
Part Number	Type/Description	Quantity
021122	Replacement chin strap with clips for head cap, length 0.8-5.5" (2-14cm)	1/pkg
021124	Chin pad for patients with pressure sensitivity; 70mm x 120mm, 1mm thick (Alternative to 021122)	1/pkg
021125	Blunted Needle, 18G x 1.0" (2.54cm) Cannula, Luer Lock, stainless steel, aluminum hub, disposable, sterile	25/pkg
021126	Monoject™ Syringe, 6ml, Luer Lock, disposable, for gel application	50/pkg
021127	Optional chest belt with connection to head cap, shoulder strap length 11.8-20.5" (30-52cm); adjustable chest strap length up to 27.6" (70cm)	1/pkg
021130	Repair kit for waveguard connect head caps includes: repair electrode set, top screw for waveguard electrode, wide silicone ring, electrode label set, fixation tool, solder	1/pkg
122-407000*	Electro-Gel™, 16oz (473ml)	1/pkg
122-409100*	Electro-Gel™, 128oz (3785ml)	1/pkg



021122



021125

\*Not for sale in Canada

Size	Head Cap Sizing Fits Head Circumference (Range)
Large	22.1-24.1" (56-61cm)
Medium	20.1-22.1" (51-56cm)
Small	18.5-20.1" (47-51cm)
Child	16.9-18.5" (43-47cm)
Infant	15.4-16.9" (39-43cm)
Baby	14.2-15.4" (36-39cm)



122-407000 - Electro-Gel, 16oz



122-409100 - Electro-Gel, 128oz



021124 - Chin pad (for patients with pressure sensitivity)



021127

## EEG ELECTRODES

### Electrode Caps

#### Universal Head Cap Systems\*

None of the parts featured on this page are for sale in the US or Canada.

- Fully adjustable head caps assure personalized fit
- Wide range of adult and pediatric sizes
- Specialized electrodes and other components

Part Number	Type/Description	Quantity
9013E1122	Head Cap - Silicone Rubber - Transparent, 20cm, Infant	1/pkg
9013E1132	Head Cap - Silicone Rubber - Transparent, 24cm, Child	1/pkg
9013E1142	Head Cap - Silicone Rubber - Transparent, 30cm, Small Adult	1/pkg
999-200000	Head Cap - Silicone Rubber - Transparent, 34cm, Medium Adult	1/pkg
9013E1152	Head Cap - Silicone Rubber - Transparent, 40cm, Large Adult	1/pkg
9013E1212	Head Cap - Silicone Rubber - Transparent, 18cm	1/pkg
9013E1222	Head Cap - Silicone Rubber - Transparent, 22cm	1/pkg
9013E1232	Head Cap - Silicone Rubber - Transparent, 26cm	1/pkg
9013E1242	Head Cap - Silicone Rubber - Transparent, 28cm	1/pkg
9013E1252	Head Cap - Silicone Rubber - Transparent, 32cm	1/pkg
9013E1262	Head Cap - Silicone Rubber - Transparent, 37cm	1/pkg
9013E1712	Electrode Ear Clip, adjustable tension, Ag/AgCl, 1m lead	2/pkg
9013E1312	Monopode Bridge Electrodes, 2mm pin/crocodile, Adult blue	21/pkg
9013E1322	Monopode Bridge Electrodes, 2mm pin/crocodile, Adult blue	5/pkg
9013E1352	Monopode Bridge Electrodes, 2mm pin/crocodile, Adult red	21/pkg
9013E1362	Monopode Bridge Electrodes, 2mm pin/crocodile, Adult red	5/pkg
9013E1372	Monopode Bridge Electrodes, 2mm pin/crocodile, Child orange	21/pkg
9013E1382	Monopode Bridge Electrodes, 2mm pin/crocodile, Child orange	5/pkg
9013E1512	Cable for monopode bridge electrodes, 1m, 2mm spring pin to 1.5 mm female TP	21/pkg
918300	Cable for monopode bridge electrodes, 1m, 2mm spring pin to 1.5 mm female TP	10/pkg
9013E1522	Cable for monopode bridge electrodes, 1m, 2mm spring pin to 1.5 mm female TP	5/pkg
504701	Head Strap 360 x 14mm	5/pkg
504710	Forehead Strap Buttons, Short	10/pkg
504711	Forehead Strap Buttons, Long	10/pkg
507104	Covers for Z and Bridge Electrodes, 28mm diameter	50/pkg
507105	Fixing Cone 16mm inner diameter (for Z-Electrodes)	1/pkg
507109	Fixing Cone 14mm inner diameter (for Mushroom and Bridge Electrodes)	1/pkg
748040	O-Rings for EEG Electrodes, 7 x 1mm	25/pkg
748042	O-Rings for EEG Electrodes, 10 x 1.5mm	25/pkg

\*None of the parts featured in this table are for sale in the US or Canada and availability is limited to specific markets

See Page 43 for electrode leads

#### Disposable Sponge Disks

- Foam circles placed on forehead and other hairless areas
- Prevents gel from spreading between electrodes; absorbs perspiration
- Place on FP1 and FP2 to prevent head cap moving up the forehead
- Useful with infants to cushion sensitive skin

Part Number	Type	Quantity	Compatibility
ADE016*	Disposable Sponge Disk	100/pkg	Universal Head Cap Systems

\*Not for sale in Canada



9013E1142



9013E1312



748040



507109



507104



504711



504701



## EEG CAPS

### Integrated Head Cap Systems

#### BraiNet® Disposable EEG Set-up Template

- Eliminates measuring and marking electrode positions
- Color-coded design allows ICU/ER staff to set-up quickly and accurately
- Adjustable elastic assures symmetry/correct electrode placement

Part Number	Type	Quantity
The following Original BraiNet has 14 scalp electrode placement locations		
022212	BraiNet Template/Adult/Child, Medium, 54cm-57cm	1/pkg
022213	BraiNet Template/Adult/Child, Large, 57cm-62cm	1/pkg
The following Baby BraiNet has 14 scalp electrode placement locations		
019-438400	BraiNet Template Baby 25-29cm	1/pkg
019-438500	BraiNet Template Baby 29.5-33cm	1/pkg
019-438600	BraiNet Template Baby 33.5-37cm	1/pkg
019-438700	BraiNet Template Baby 37.5-41cm	1/pkg
019-438800	BraiNet Template Baby 41.5-45cm	1/pkg
The following allows for full 10/20 placement with 19 recording electrode locations, plus electrode locations for ground and reference:		
019-438900	BraiNet Template 10/20 XSmall, 45.5-49cm	1/pkg
019-439000	BraiNet Template 10/20 Small, 49.5-54cm	1/pkg
019-439100	BraiNet Template 10/20 Child, 54.5-57cm	1/pkg
019-439200	BraiNet Template 10/20, Adult, 57.5-62cm	1/pkg

Part Number	Description	Quantity
019-437300	DVD BraiNet Template Set-Up ICU	1/pkg
019-437400	DVD BraiNet Continuous EEG in the ICU	1/pkg



#### Disposable EEG Disc Electrodes for BraiNet® Templates

- Color-coded to match BraiNet templates
- Each set of electrodes are packaged in four convenient packs: LEFT, RIGHT, REF, EKG

Part Number	Type/Description	Quantity
105590	Disposable EEG Disc Electrodes for BraiNet Original & Baby Templates	16/pkg



#### BraiNet® Color-Coded Headbox Overlay

- Overlays go directly on amps/headboxes for fast, easy setup when used with BraiNet templates

Part Number	Type/Description	Quantity	Compatibility
019-444000	BraiNet 10/20 Color-Coded Headbox Overlay	1/pkg	Nicolet v32 & v44 headboxes or Grass Comet series personality modules
500-P	BraiNet Original/Baby Color-Coded Headbox Overlay	1/pkg	



#### Adhesive Rings for Recording Electrodes

- Double-sided disposable adhesive rings

Part Number	Inner Diameter	Outer Diameter	Quantity
605112	8mm	20mm	500/roll



## CORTICAL STIMULATION

### Cortical Stimulation Probe



#### Natus® Disposable Cortical Stimulation Probe

- 15'(4.6m) cable terminating in touchproof connectors
- Bipolar probe for functional brain mapping in the operating room
- 5mm distance between probe heads, 2.2mm gold-plated ball tips

Part Number	Type	Lead Length	Quantity	Compatibility
222-496100	Cortical Stimulator Probe	15'(4.6m)	1/pkg	Nicolet Cortical Stimulator

## ANCILLARY EEG SUPPLIES

### Electrode Lead Extensions, Linkers/Jumpers, Lead Wires, Adapters



#### Reusable Touchproof Extension Cables

- Reusable touchproof male to touchproof female lead extension cables
- Six colors: green, blue, yellow, red, purple, gray

Part Number	Type	Lead Length	Quantity
019-431500	Extension Cables	39" (1m)	6/pkg
019-401100	Extension Cables	79" (2m)	6/pkg



#### 3" Reusable Stackable Jumper/Linker Cables

- Stackable 1.5mm touchproof connectors, both male and female at both ends

Part Number	Type	Lead Length	Quantity
1451020	Jumpers/Linkers	3" (8cm)	4/pkg



#### 6" Reusable Stackable Jumper/Linker Cables

- Stackable 1.5mm touchproof connectors, both male and female at both ends
- Three per set; one each red, black, green

Part Number	Type	Lead Length	Quantity
102108	Jumpers/Linkers	6" (15cm)	3/pkg



#### 20" Reusable Stackable Jumper/Linker Cables

- Stackable 1.5mm touchproof connectors, both male and female at both ends
- Six per set; one each pink, gray, purple, blue, green, yellow

Part Number	Type	Lead Length	Quantity
019-433000	Jumpers/Linkers	20" (51cm)	1 set of 6/pkg



#### Reusable Jumper/Linker Cable

- One recessed 1.5mm male touchproof to four insulated female touchproof connectors

Part Number	Type	Lead Length	Quantity
1451034	Jumpers/Linkers	5" (12cm)	1/pkg



## ANCILLARY EEG ITEMS

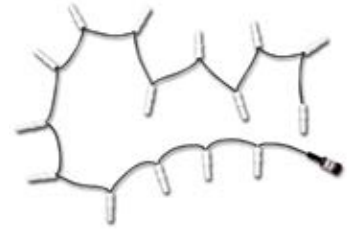
### Electrode Lead Extensions, Linkers/Jumpers, Lead Wires, Adapters

#### Reusable Jumper/Linker Cable

- One recessed 1.5mm male touchproof to fifteen insulated female touchproof connectors
- Approximately 1.25" (4cm) between connectors, 18" (46cm) overall length

Part Number	Type	Lead Length	Quantity
11250*	Jumpers/Linkers	18" (46cm)	1/pkg

\*US & Canada only



#### Reusable Jumper/Linker Cable

- Five recessed 1.5mm male touchproof to two insulated female touchproof connectors
- 9" (23cm) between first two female touchproof connectors, 3" (7.6cm) between following five male touchproof connectors

Part Number	Type	Lead Length	Quantity
11224	Jumpers/Linkers	24" (61cm)	1/pkg



#### Reusable Jumper/Linker Cable

- Two recessed 1.5mm male touchproof to one insulated female touchproof connector

Part Number	Type	Lead Length	Quantity
019-420100	Jumpers/Linkers	4" (10cm)	1/pkg



#### Reusable Y Cable

- 2-channel, 1 male to 2 female splitter

Part Number	Type	Electrode End	Instrument End	Lead Length	Quantity
630630*	Y Cable	1 x 1.5mm male touchproof connector	2 x 1.5mm female touchproof connectors	5.9" (150mm)	1/pkg

\*Not for sale in US & Canada



#### Electrode Leads

Part Number	Length	Electrode End	Instrument End	Quantity	Compatibility
508832*	59" (1.5m)	4mm connector, black	1.5mm female touchproof connector, black	1/pkg	Bridge/Z/Mushroom electrodes, amplifiers; also used as adapters
508831*	31.5" (80cm)	2mm connector, black	1.5mm female touchproof connector, black	10/pkg	
508834*	31.5" (80cm)	2mm connector, red	1.5mm female touchproof connector, red	10/pkg	

\*Not for sale in US & Canada



#### Touchproof Adapter

- Converts an unprotected 2mm male pin into a 1.5mm insulated female touchproof connector

Part Number	Type	Quantity
1451010	2mm male pin to 1.5 female touchproof	10/pkg



#### Touchproof Adapters

- Converts an insulated 1.5mm female touchproof connector to an unprotected 2mm male pin

Part Number	Type	Quantity
140420	1.5 female touchproof to 2mm male pin	10/pkg



## ANCILLARY EEG ITEMS

### Ancillary EEG Supplies



#### Electrode & Cable Holder

- Ideal for hanging electrodes or cables
- Rugged, steel construction with holes for easy mounting
- 11" (27cm) rack has 10 tines with 0.45" (1.1cm) spacing

Part Number	Type	Quantity
016-400700	Electrode Holder	1/pkg



#### ElectroBoot Sleeve for Electrode Wires

- Increases electrode life by reducing tangling, knotting and bending of electrode wires
- Washable and reusable

Part Number	Type	Lead Length	Quantity
105189	ElectroBoot	30" (0.75m)	1/pkg
105190	ElectroBoot	48" (1.22m)	1/pkg



#### The Electrode Claw

- Specifically designed for easy removal of those hard-to-extract electrodes from amplifiers and headboxes
- Reduces wear and tear on expensive electrodes as well as your fingers

Part Number	Type	Quantity
105808	The Electrode Claw	1/pkg

## EDUCATIONAL AIDS

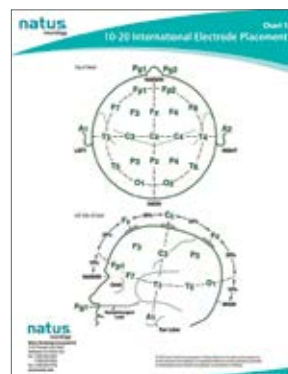
#### Electrode Placement Educational Material

- Reviews the International 10-20 System of electrode placement

Part Number	Type	Quantity
EDBOOK1	10-20 Booklet	1/pkg
EDCHART1	10-20 Chart	1/pkg



10-20 Booklet



10-20 Chart



#### Frequency Ruler

Part Number	Type	Quantity
EDAID1	Frequency Ruler	1/pkg



## Natus IOM Supplies

IOM Electrodes • IOM Probes • Ancillary IOM Items

All electrodes, probes and cables in this section are compatible with systems that accept 1.5mm female touchproof connectors unless otherwise noted.

## IOM ELECTRODES

### Subdermal Needle Electrodes

#### Natus® Ultra Disposable Subdermal Needle Electrodes

- Precision cut, gently tapered, ultra-sharp lancet tip for effortless skin penetration assuring optimal patient comfort
- High-tensile-strength, medical grade stainless steel needle for optimum strength and flexibility
- 1.5mm insulated female connector, touchproof (DIN 42 802)
- Individually packaged in sterile, pre-printed pouches for safety and easy identification

4 each of 6 Lead Wire Colors: 

2 each of 12 Lead Wire Colors: 

Part Number	Type	Length	Diameter	Lead Wire Length	Quantity
019-476600	Stainless Steel, 6-color	14mm	27G (0.38mm)	39" (1m)	1/pouch, 24/box
019-476800	Stainless Steel, 6-color	14mm	27G (0.38mm)	59" (1.5m)	1/pouch, 24/box
019-477000	Stainless Steel, 6-color	14mm	27G (0.38mm)	96" (2.5m)	1/pouch, 24/box
019-476700	Stainless Steel, 12-color	14mm	27G (0.38mm)	39" (1m)	1/pouch, 24/box
019-476900	Stainless Steel, 12-color	14mm	27G (0.38mm)	59" (1.5m)	1/pouch, 24/box
019-477100	Stainless Steel, 12-color	14mm	27G (0.38mm)	96" (2.5m)	1/pouch, 24/box



Precision cut, gently tapered, ultra-sharp lancet tip

0.38mm diameter

#### Natus® Classic Disposable Subdermal Needle Electrodes

- Medical grade stainless steel with consistently sharp tip for reliable insertion and patient comfort
- 1.5mm insulated female connector, touchproof (DIN 42 802)
- Individually packaged in sterile, pre-printed pouches

4 each of 6 Lead Wire Colors: 

Part Number	Type	Length	Diameter	Lead Wire Length	Quantity
019-475800	Stainless Steel, 6-color	12mm	27G (0.40mm)	39" (1m)	1/pouch, 24/box
019-475900	Stainless Steel, 6-color	12mm	27G (0.40mm)	59" (1.5m)	1/pouch, 24/box
019-476000	Stainless Steel, 6-color	12mm	27G (0.40mm)	96" (2.5m)	1/pouch, 24/box



Consistently sharp lancet tip

0.40mm diameter




## DID YOU KNOW?

Archaeologists found evidence that primitive brain surgery, called trepanation, was performed as early as 2000 B.C. by drilling a hole in the skull

## IOM ELECTRODES

### Subdermal Needle Electrodes

#### Genuine Grass® Reusable Platinum Subdermal Needle Electrodes\*

- Precision-sharpened platinum monopolar needle with low profile needle-to-wire joint
- Multi-colored, flexible Teflon® coated lead wires terminating in 1.5mm touchproof connector
- Sterilize prior to use; compatible with steam and EtO sterilization
- Ten lead wire colors: 

Part Number	Type	Length	Diameter	Lead Wire Length	Quantity
F-E2-12	Platinum, 10-color	10mm	30G	12" (30.5cm)	10/box
F-E2-24	Platinum, 10-color	10mm	30G	24" (61cm)	10/box
F-E2-30	Platinum, 10-color	10mm	30G	30" (76cm)	10/box
F-E2-48	Platinum, 10-color	10mm	30G	48" (122cm)	10/box
F-E2-72	Platinum, 10-color	10mm	30G	72" (183cm)	10/box

\*Not for sale in countries that require CE marking



#### Natus® Disposable Twisted Pair Subdermal Needle Electrodes

- Designed to improve signal quality in electrically hostile areas such as OR and ICU
- Lead wires terminate in 1.5mm touchproof connectors
- 103031 - Blue, orange, yellow, green and red lead wires paired with black and white lead wires (5 color combinations; 4 sets of each; 20 total twisted pairs)
- 019-475700 & 019965 - Red, blue, yellow, green, orange and purple lead wires paired with black and white lead wires (6 color combinations; 2 sets of each; 12 total twisted pairs)

Part Number	Type	Length	Diameter	Lead Wire Length	Quantity
103031	Stainless Steel	13mm	27G	59" (1.5m)	20 pouches/pkg
019-475700	Stainless Steel	12mm	27G	79" (2m)	12 pouches/pkg
019965	Stainless Steel	14mm	27G (0.38mm)	96" (2.5m)	12 pouches/pkg



### Scalp Needle Electrodes

#### Disposable Scalp Needle Electrode

- Pre-sterilized stainless steel needle electrode

Part Number	Type	Length	Diameter	Electrode End	Quantity	Compatible Cables
9013R0313	Stainless Steel	10mm	30G (0.30mm)	0.7mm male touchproof	40/pkg	9013C0112, 9013C0122, 9013C0152, 9013C0242 (see page 8)




## IOM ELECTRODES

### Corkscrew Electrodes



#### Disposable Corkscrew Electrodes



- 47" (1.2m) lead wire length, 1cm hub
- Lead wires terminate in 1.5mm touchproof connectors

Part Number	Type	Lead Wire Colors	Quantity
017505	Corkscrew	4 each: 	1 electrode/pouch; 24 pouches/pkg



#### Disposable Twisted Pair Corkscrew Electrodes

- 47" (1.2m) lead wire length, 1cm hub
- Lead wires terminate in 1.5mm touchproof connectors

Part Number	Type	Lead Wire Colors	Quantity
017506	Twisted Pair Corkscrew	1 Each: White +  1 Each: Black + 	1 pair/pouch; 12 pouches/pkg

### Hook-Wire Electrodes

#### Disposable Hook-Wire Electrodes

- Hook-wire electrodes feature 12.5cm of 44G (0.05mm) insulated nickel alloy wire
- Paired hook-wire electrodes: Ends of wires positioned so 2mm of 1 wire and 5mm of the second wire exit at end of needle. The first wire is stripped 2mm, the second wire is insulated for 3mm after it exits the needle and then stripped 2mm
- Single hook-wire electrodes: End of wire is positioned so 5mm of wire exits the end of needle and is bent back. The end of wire is insulated 3mm and stripped 2mm
- Pre-sterilized

Part Number	Type	Length	Diameter	Quantity	Compatible Cables
019-475300	Single	30mm	27G	20/pkg	085-416800 Micrograbbers (see page 52)
019-475400	Paired	30mm	27G	20/pkg	085-416800 Micrograbbers (see page 52)

### Strip & Grid Electrodes

#### Pre-Sterilized Disposable Strip & Grid Electrodes

- For electrocorticography, cortical stimulation and other IOM procedures
- Thin, flexible silicone electrodes have platinum contact discs with 1cm spacing and numeric labels
- Lead wires terminate in 1.5mm touchproof connectors
- Not for implantation

Part Number	Type	Lead Length	Quantity
MS08N-LP10X-OJF	1X8 Strip	59" (1.5m)	1/pkg
MS04N-LP10X-OJF	1X4 Strip	59" (1.5m)	1/pkg
FG08A-LP10X-OJF	2X4 Grid	59" (1.5m)	1/pkg



## IOM ELECTRODES

### Nasopharyngeal Electrodes

#### Reusable Ball/Pedicle Screw Electrode

- Applications include: nasopharyngeal recordings, peripheral motor nerves, spinal nerves and assessing pedicle screw placement
- 3mm ball-tip connects to pliable, insulated shank that maintains shape when flexed
- Lead wire terminates in 1.5mm touchproof connectors
- Sterilize prior to use



Part Number	Type	Shank	Lead Length	Quantity
019-404800	Gold	4" (100mm)	59" (1.5m)	1/pkg
019-404900	Gold	6" (150mm)	59" (1.5m)	1/pkg
019-416500	Silver	6" (150mm)	59" (1.5m)	1/pkg
019-416700	Ag/AgCl	6" (150mm)	59" (1.5m)	1/pkg

### Laryngeal Electrodes

#### Lantern Laryngeal Electrodes

- Conforms to all vocal cord positions and provides gentle, self-regulating pressure to cords
- Provides excellent discrimination between the cords
- Can be used with any multi-channel monitor that accepts standard 1.5mm touchproof connectors
- Flexible: sizes fit 4mm to 9mm endotracheal tubes
- Single use, sterile



Part Number	Type	Size	Quantity
023045	Lantern laryngeal electrode with reusable cable	8/9mm	10/pkg
023046	Lantern laryngeal electrode with reusable cable	6/7mm	10/pkg
023047	Lantern laryngeal electrode with reusable cable	4/5mm	10/pkg

#### Reusable connection cable for Lantern Laryngeal Electrodes

Part Number	Type	Length	Quantity
023048	Reusable connection cable	39" (1m)	1/pkg



## DID YOU KNOW?

It takes 17 muscles to smile and 43 to frown

## IOM PROBES

### Probes – Disposable



#### Disposable Epidural Spinal Electrode

- Intended as a recording electrode for monitoring intraoperative spinal cord evoked potentials
- Monopolar electrode; must be referenced to another electrode
- 5mm long, 1mm diameter round stainless steel tip on a 120mm flexible Teflon® wire which attaches to a 1m silicone lead terminating in a 1.5mm touchproof connector
- Sterile; individually packaged

Part Number	Lead Length	Quantity
CEDL-1PDINX-000	39" (1m)	1/pkg



#### Disposable Ball Tip Direct Nerve Stimulator Probe

- 2.3mm tip diameter
- 80-150mm probe shaft effective length

Part Number	Lead Length	Quantity
017507	79" (2m)	1/pkg



#### Disposable Concentric Direct Nerve Stimulator Probe – Adjustable Tip

- 1.3mm tip diameter
- 80-120mm probe shaft effective length

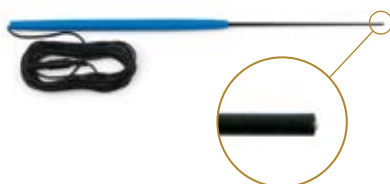
Part Number	Lead Length	Quantity
017508	79" (2m)	1/pkg



#### Disposable Bipolar Direct Nerve Stimulator Probe

- 0.8mm tip diameter
- 80-120mm probe shaft effective length

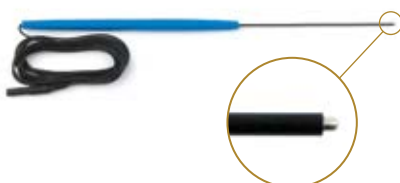
Part Number	Lead Length	Quantity
017509	79" (2m)	1/pkg



#### Disposable Flush Tip Direct Nerve Stimulator Probe

- 0.8mm tip diameter
- 80-150mm probe shaft effective length

Part Number	Lead Length	Quantity
017510	79" (2m)	1/pkg



#### Disposable Monopolar Direct Nerve Stimulator Probe

- 0.8mm tip diameter
- 80-120mm probe shaft effective length

Part Number	Lead Length	Quantity
017511	79" (2m)	1/pkg



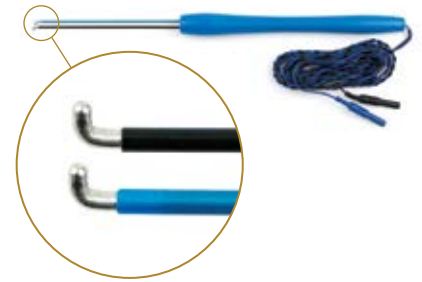
## IOM PROBES

### Probes – Disposable

#### Disposable Right Angle Double Hook Probe

- 1.2mm probe diameter
- 70-120mm probe shaft effective length
- 90° double hook
- 5mm probe shaft spacing

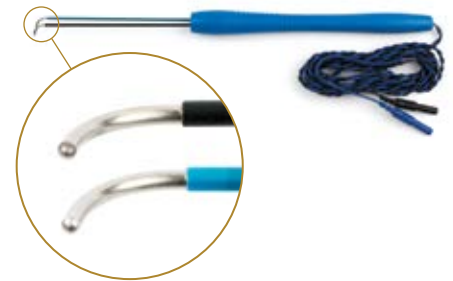
Part Number	Lead Length	Quantity
017512	79" (2m)	1/pkg



#### Disposable Double Hook Nerve Stimulator Probe

- 1.2mm probe diameter
- 70-120mm probe shaft effective length
- 100° double hook
- 5mm probe shaft spacing

Part Number	Lead Length	Quantity
017513	79" (2m)	1/pkg



#### Disposable Triple Hook Nerve Stimulator Probe

- 1.2mm probe diameter
- 70-120mm probe shaft effective length
- 100° triple hook arc
- 5mm probe shaft spacing

Part Number	Lead Length	Quantity
017514	79" (2m)	1/pkg



## ANCILLARY IOM ITEMS

### Electrode Lead Extensions & Adapters



#### Reusable Extension Cable – Twisted

- Perfect for electrode pairs needing additional lead wire length
- Red and black twisted lead wires terminating in 1.5mm male and female touchproof connectors

Part Number	Lead Length	Quantity
019-408400	39" (1m)	1/pkg
019-432200	79" (2m)	1/pkg



#### Micrograbbers

- For use with disposable hook-wire electrodes
- Black lead wires terminating in micrograbbers and 1.5mm touchproof connectors

Part Number	Lead Length	Quantity
085-416800	79" (2m)	1 set/pkg



#### Rhizotomy Hook Cables

- For use with rhizotomy hooks or a rhizotomy stimulator probe
- Red and black wires terminate in 2-56 threaded connectors and 1.5mm touchproof connectors
- May be steam-sterilized prior to use

Part Number	Lead Length	Quantity
085-460000	118" (3m)	1 pair/pkg



#### Reusable InLine RF Filter

- Provides RF protection on an individual electrode basis
- Terminates in male and female touchproof connectors

Part Number	Lead Length	Quantity
019-421500	9" (22cm)	2/pkg



## Natus Sleep Supplies

Sensors • Cannulas • Ancillary Sleep Supplies

## SENSORS

### RIP Respiratory Effort Belts

#### Natus® XactTrace® Respiratory Effort Systems

XactTrace is a comprehensive family of respiratory inductance plethysmography (RIP) effort belt systems, providing a range of sizes and solutions, in both Universal and Embla versions.

System options include:

- 1 Reusable (see pages 54, 55)
- 2 Single Use Cut-to-Fit (see pages 55, 56)
- 3 Single Use Pre-sized (see pages 56, 57)

#### XactTrace® Universal Kit – Belts, Kits & Components

- For use with non-Embla PSG systems
- Reusable, one size fits all
- Integrated battery power; no cumbersome in-line modules

1 XactTrace Universal Belts & Belt Kits*					
Part Number	Type/Description	Length	Connector	Quantity	Compatibility
1421091	XactTrace Universal Kit – Complete (includes abdomen & thorax belts, abdomen & thorax snap sensors, two universal cables)	n/a	n/a	1 kit/pkg	Non-Embla systems that accept 1.5mm touchproof connectors
1421080	XactTrace Universal Abdomen Kit (belt, sensor, cable)	n/a	n/a	1 kit/pkg	
1421081	XactTrace Universal Thorax Kit (belt, sensor, cable)	n/a	n/a	1 kit/pkg	
1421040	XactTrace Adjustable Universal Belt	26-78" (66-200cm)	n/a	1/pkg	
XactTrace Universal Snap Sensors					
1421026	XactTrace Universal Snap Sensor - Abdomen	n/a	n/a	1/pkg	Non-Embla systems that accept 1.5mm touchproof connectors
1421027	XactTrace Universal Snap Sensor - Thorax	n/a	n/a	1/pkg	
XactTrace Universal Cable					
1451080	XactTrace Universal Cable	92.5" (235cm)	1.5mm touchproof	1/pkg	Non-Embla systems that accept 1.5mm touchproof connectors

\*Also compatible with Embla SD32 systems

#### XactTrace® Reusable Belts for Embla® Systems

- Plugs directly into Embla PSG systems; no additional modules required
- Low profile lock assures patient comfort
- Small, medium and large sizes available

1 XactTrace Reusable Belts				
Part Number	Belt Type/Description	Cable Length/Connector	Quantity	Compatibility
1421032	Small Abdomen, 22" (57cm) to 41" (104cm)	27.5" (70cm), yellow 2-pin key	1/pkg	Embla N7000, Embletta (all models), Embla titanium
1421033	Small Thorax, 22" (57cm) to 41" (104cm)	15.7" (40cm), blue 2-pin key	1/pkg	Embla N7000, Embletta (all models), Embla titanium
1421034	Medium Abdomen, 33" (83cm) to 56" (142cm)	27.5" (70cm), yellow 2-pin key	1/pkg	Embla N7000, Embletta (all models), Embla titanium
1421035	Medium Thorax, 33" (83cm) to 56" (142cm)	15.7" (40cm), blue 2-pin key	1/pkg	Embla N7000, Embletta (all models), Embla titanium

Table continued on next page



## SENSORS

### RIP Respiratory Effort Belts

#### XactTrace® Reusable Belts for Embla® systems (continued from previous page)

1 XactTrace Reusable Belts				
Part Number	Belt Type/Description	Cable Length/Connector	Quantity	Compatibility
1421036	Large Abdomen, 47" (120cm) to 76" (194cm)	27.5" (70cm), yellow 2-pin key	1/pkg	Embla N7000, Embletta (all models), Embla titanium
1421037	Large Thorax, 47" (120cm) to 76" (194cm)	15.7" (40cm), blue 2-pin key	1/pkg	Embla N7000, Embletta (all models), Embla titanium
1421038	Medium Thorax, 33" (83cm) to 56" (142cm)	78" (200cm), blue 2-pin key	1/pkg	Natus Embla NDx, Natus Embla SDx, Embla S4000/S4500 systems
1421039	Medium Abdomen, 33" (83cm) to 56" (142cm)	78" (200cm), yellow 2-pin key	1/pkg	Natus Embla NDx, Natus Embla SDx, Embla S4000/S4500 systems
1421041	Small Thorax, 22" (57cm) to 41" (104cm)	78" (200cm), blue 2-pin key	1/pkg	Natus Embla NDx, Natus Embla SDx, Embla S4000/S4500 systems
1421042	Small Abdomen, 22" (57cm) to 41" (104cm)	78" (200cm), yellow 2-pin key	1/pkg	Natus Embla NDx, Natus Embla SDx, Embla S4000/S4500 systems
1421043	Large Thorax, 47" (120cm) to 76" (194cm)	78" (200cm), blue 2-pin key	1/pkg	Natus Embla NDx, Natus Embla SDx, Embla S4000/S4500 systems
1421044	Large Abdomen, 47" (120cm) to 76" (194cm)	78" (200cm), yellow 2-pin key	1/pkg	Natus Embla NDx, Natus Embla SDx, Embla S4000/S4500 systems



#### XactTrace® Single Use Cut-to-Fit Universal Belts, Kits & Components

- Configurations for non-Embla PSG systems (see cut-to-fit options for Embla PSG Systems on the next page)
- Customized sizing for each patient; especially useful for pediatric and bariatric patients
- Complete kit includes: abdomen single use lock, thorax single use lock, abdomen reusable processor, thorax reusable processor, two rolls XactTrace single use cut-to-fit belt material
- Purchasable options: abdomen and thorax locks, cut-to-fit belt material, RIP processors and kits (lock, processor, cut-to-fit belt material)



1421000

2 XactTrace Single Use Cut-to-Fit Belt Rolls				
Part Number	Type	Roll Length	Quantity	Compatibility
1421000	XactTrace Single Use Cut-to-Fit Belt Material	65.5' (20m)	1 roll/pkg	Most PSG systems



1421020

XactTrace Single Use Cut-to-Fit Belt Kits*				
Part Number	Type/Description	Cable Length/Connector	Quantity	Compatibility
1421050	XactTrace Universal Single Use Cut-to-Fit Abdomen Kit (lock, processor & 1 roll of belt material)	n/a	1 kit/pkg	Non-Embla systems that accept 1.5mm touchproof connectors
1421051	XactTrace Universal Single Use Cut-to-Fit Thorax Kit (lock, processor & 1 roll of belt material)	n/a	1 kit/pkg	
1421052	XactTrace Universal Single Use Cut-to-Fit Belt Kit - Complete	n/a	1 kit/pkg	



1421022

Locks for XactTrace Single Use Cut-to-Fit Belts				
Part Number	Type/Description	Cable Length/Connector	Quantity	Compatibility
1421020	Abdomen	27.5" (70cm), yellow 2-pin key	1/pkg	Non-Embla systems that accept 1.5mm touchproof connectors. Requires 1421047 or 1421048 processor.
1421022	Thorax	15.7" (40cm), blue 2-pin key	1/pkg	

1421048



RIP Processors for XactTrace Single Use Cut-to-Fit Belts				
Part Number	Type/Description	Cable Length/Connector	Quantity	Compatibility
1421047	XactTrace RIP Processor Sensor, Thorax	78" (200cm) 1.5mm touchproof	1/pkg	Non-Embla systems that accept 1.5mm touchproof connectors
1421048	XactTrace RIP Processor Sensor, Abdomen	78" (200cm) 1.5mm touchproof	1/pkg	

1421047



\*Also compatible with Embla SD32 system

## SENSORS

### RIP Respiratory Effort Belts



#### XactTrace® Single Use Cut-to-Fit Belts & Components for Embla® Systems

- Configurations for Embla PSG systems only (see Universal Cut-to-Fit options on the previous page)
- Customized sizing for each patient; especially useful for pediatric and bariatric patients
- Purchasable options: abdomen and thorax locks, cut-to-fit belt material and cable extensions

2 XactTrace Single Use Cut-to-Fit Belt Rolls				
Part Number	Type	Roll Length	Quantity	Compatibility
1421000	XactTrace Single Use Cut-to-Fit Belt Material	65.5' (20m)	1 roll/pkg	XactTrace Single Use Locks

Locks for XactTrace Single Use Cut-to-Fit Belts				
Part Number	Type/Description	Cable Length/Connector	Quantity	Compatibility
1421020	Abdomen	27.5" (70cm), yellow 2-pin key	1/pkg	Natus Embla NDx, Natus Embla SDx, Embla N7000, Embla S4000/S4500, Embletta (PDS, 128, X100, MPR), Embla titanium, RIP processor
1421021	Abdomen	27.5" (70cm), yellow 2-pin key with built-in Embletta Gold Inline Inductor	1/pkg	Embletta Gold only
1421022	Thorax	15.7" (40cm), blue 2-pin key	1/pkg	Natus Embla NDx, Natus Embla SDx, Embla N7000, Embla S4000/S4500, Embletta (PDS, 128, X100, MPR), Embla titanium, RIP processor
1421023	Thorax	15.7" (40cm), blue 2-pin key with built-in Embletta Gold Inline Inductor	1/pkg	Embletta Gold only

Cable Extensions for XactTrace Single Use Cut-to-Fit Belts				
Part Number	Type	Cable Length/Connector	Quantity	Compatibility
1451070	Abdomen	78" (200cm), yellow 2-pin key	1/pkg	Natus Embla NDx, Natus Embla SDx, Embla S4000/S4500 systems
1451072	Thorax	78" (200cm), blue 2-pin key	1/pkg	Natus Embla NDx, Natus Embla SDx, Embla S4000/S4500 systems



#### XactTrace® Single Use Pre-Sized Universal Belts & Components

- Configurations for non-Embla PSG Systems
- Same high quality RIP technology as XactTrace reusable belts
- No threading of material into the lock is required
- Available in four convenient standard sizes
- Pre-attached snap terminals for quick, easy set up (snap sensors required; sold separately)

3 XactTrace Single Use Pre-Sized Universal RIP Belts			
Part Number	Type/Description	Quantity	Compatibility
011516	XactTrace Pre-sized Single Use Belt, Pediatric	20/box (10 packs of 2)	XactTrace Pre-sized Single Use Snap Sensors
011517	XactTrace Pre-sized Single Use Belt, Small	20/box (10 packs of 2)	
011518	XactTrace Pre-sized Single Use Belt, Medium	20/box (10 packs of 2)	
011520	XactTrace Pre-sized Single Use Belt, Large	20/box (10 packs of 2)	

Snap Sensors and RIP Processors for XactTrace Single Use Pre-Sized Universal Belts			
Part Number	Type/Description	Quantity	Compatibility
011521	XactTrace Snap Sensor, Abdomen, 26" (66cm) cable, yellow 2-pin key connector	1/pkg	XactTrace Pre-sized Belts & RIP Processors
011522	XactTrace Snap Sensor, Thorax, 16" (41cm) cable, blue 2-pin key connector	1/pkg	
1421048	XactTrace RIP Processor Sensor, Abdomen, 78" (200cm) cable, 1.5mm female touchproof connectors	1/pkg	XactTrace RIP Processors & most PSG systems that accept 1.5mm female touchproof connectors
1421047	XactTrace RIP Processor Sensor, Thorax, 78" (200cm) cable, 1.5mm female touchproof connectors	1/pkg	

## SENSORS

### RIP Respiratory Effort Belts

#### XactTrace® Single Use Pre-Sized Belts & Components for Embla® Systems

- For use with Embla systems only
- Same high quality RIP technology as XactTrace reusable belts
- No threading of material into the lock is required
- Available in four convenient standard sizes
- Pre-attached snap terminals for quick, easy set up (snap sensors required; sold separately)



011520



011521



011522

XactTrace Single Use Pre-Sized Belts				
Part Number	Size	Connector	Quantity	Compatibility
011516	Pediatric	XactTrace Snap Sensors in this table	20/box (10 packs of 2)	XactTrace Pre-sized Single Use Snap Sensors
011517	Small	XactTrace Snap Sensors in this table	20/box (10 packs of 2)	
011518	Medium	XactTrace Snap Sensors in this table	20/box (10 packs of 2)	
011520	Large	XactTrace Snap Sensors in this table	20/box (10 packs of 2)	
Snap Sensors for XactTrace Single Use Pre-Sized Belts				
Part Number	Description	Cable Length/Connector	Quantity	Compatibility
011521	Abdomen	26" (66cm), yellow 2-pin key	1/pkg	Embla N7000, Embletta (all models), Embla titanium
011522	Thorax	16" (41cm), blue 2-pin key	1/pkg	Embla N7000, Embletta (all models), Embla titanium
013224	Abdomen	78" (200cm), yellow 2-pin key	1/pkg	All Embla systems
013225	Thorax	78" (200cm), blue 2-pin key	1/pkg	All Embla systems

\*Embletta Gold also requires part 013382, the Embletta Gold In-line Inductor, 4" (10cm) cable

### XactTrace® Single Use Pre-Sized Belt Sizing

#### Choosing a Belt Size

- XactTrace Single Use Pre-sized Belts come in four sizes: Pediatric, Small, Medium and Large
- Belt length can be adjusted to assure a good fit
- Belts should fit patients snugly without being uncomfortably tight
- Measure each patient's circumference and use the table below as a guideline

XactTrace Single Use Pre-Sized Belt Sizing	
Size	Fits Patient Circumference (Size Range)
Pediatric	11-22" (28-56cm)
Small	16-35" (40-89cm)
Medium	30-55" (76-140cm)
Large	40-75" (102-190cm)



## DID YOU KNOW?

Humans are the only mammals that willingly delay sleep

## SENSORS

### RIP Respiratory Effort Belts



#### Respiratory Inductance Plethysmography Belts & Cables

- 5 color-coded sizes fitting a wide range of patients
- Soft, flexible, reusable belts are machine washable, sterilizable
- Simple snap connectors and interface cables
- Plug-and-play replacement RIP interface cables

#### Respiratory Inductance Plethysmography Belts

Part Number	Size	Colors	Quantity	Compatibility
4140090*	Infant Small 15.7" (40cm)	White/Gray	2/pkg	Most systems that accept 1.5mm touchproof connectors & RIP Interface Cables listed below
4140089*	Pediatric Medium 23.6" (60cm)	White/Red	2/pkg	
4140088*	Adult Large 35.4" (90cm)	White/Blue	2/pkg	
4140087*	Adult XL 47.2" (120cm)	White/Black	2/pkg	
4140114*	Adult XXL 59" (150cm)	White/Yellow	2/pkg	

#### Respiratory Inductance Plethysmography Interface Cables

Part Number	Type	Lead Wire Length	Connector	Quantity	Compatibility
9101G**	Abdomen	78" (200cm)	1.5mm touchproof	1/pkg	Grass Comet-PLUS PSG systems
9102G**	Chest	78" (200cm)	1.5mm touchproof	1/pkg	Grass Comet-PLUS PSG systems
9131*	Abdominal	8" (20cm)	Key	1/pkg	Grass AURA PSG & AURA PSG LITE
9132*	Chest	8" (20cm)	Key	1/pkg	Grass AURA PSG & AURA PSG LITE
4140095*	Abdomen	78" (200cm)	1.5mm touchproof	1/pkg	Most systems that accept 1.5mm touchproof connectors
4140096*	Chest	78" (200cm)	1.5mm touchproof	1/pkg	Most systems that accept 1.5mm touchproof connectors

\*Not for sale in Canada

\*\*Reduced output signal for Grass PSG systems



#### Adjustable Respiratory Inductance Plethysmography Belt Kit

- One size fits all (Adult)
- Reusable and easy to clean
- High quality, comfortable material
- Kit 019-481100 includes two adult-size adjustable RIP belts (shown at left), one 4140095 abdomen interface cable and one 4140096 chest interface cable

Part Number	Type	Belt Dimensions	Quantity	Compatibility
019-481100*	Adjustable RIP Kit, Adult	23.6" (60cm) minimum to 55" (140cm) maximum	1 kit/pkg	Most systems that accept 1.5mm touchproof connectors
019-481200*	Adjustable RIP Belt Only, Adult	23.6" (60cm) minimum to 55" (140cm) maximum	1/pkg	Most systems that accept 1.5mm touchproof connectors

\*Not for sale in Canada



## SENSORS

### PVDF Respiratory Effort Belts

#### Respiratory Effort PVDF Sensor - Double Buckle

- High output up to five times stronger than others
- Designed to reduce false paradoxical effort
- Connects directly to the head box
- Belt terminates with two female buckles
- Includes one each 2' and 4' Velstretch® male buckle belts



Part Number	Type	Belt Length	Lead Wire Length	Quantity	Compatibility
026450	Chest or Abdomen	12" (30cm) x 1" (2.54cm)	6' 6" (2m)	1/pkg	Most systems that accept 1.5mm touchproof connectors

#### Replacement Double-Buckle Effort Belt

- Belt terminates with two male buckles

Part Number	Type	Belt Length	Quantity	Compatibility
026451	Chest or Abdomen	1" (2.54cm) x 48" (122cm)	1/pkg	026450 Respiratory Effort PVDF Sensor

#### FastTrack™ Disposable Respiratory Effort System Starter Kits

- Completely disposable (two) cut-to-fit, button-hole belts with PVDF sensors and interface
- No polarity reversal

Part Number	Type	Belt Dimensions	Connector	Lead Wire Length	Quantity	Compatibility
026460*	Pediatric Kit: (2) cut-to-fit belts with PVDF sensors and interface	1" (2.5cm) x 30" (76cm)	1.5mm touchproof	96" (244cm)	1 kit/pkg	Most systems that accept 1.5mm touchproof connectors
026461*	Adult Kit: (2) cut-to-fit belts with PVDF sensors and interface	1.5" (3.8cm) x 75" (190.5cm)	1.5mm touchproof	96" (244cm)	1 kit/pkg	
026462*	Pediatric Kit: (2) cut-to-fit belts with PVDF sensors and interface	1" (2.5cm) x 30" (76cm)	Key	96" (244cm)	1 kit/pkg	Most systems that accept key connectors
026463*	Adult Kit: (2) cut-to-fit belts with PVDF sensors and interface	1.5" (3.8cm) x 75" (190.5cm)	Key	96" (244cm)	1 kit/pkg	

\*Not for sale in Canada



026470



026471

#### FastTrack Disposable Respiratory Effort System Replacement Packs

Part Number	Type	Belt Dimensions	Connector	Lead Wire Length	Quantity	Compatibility
026464*	Pediatric cut-to-fit belts and sensors	1" (2.5cm) x 30" (76cm)	1.5mm touchproof	3.2" (8cm)	1 pack of 2 each	FastTrack Disposable Respiratory Effort System
026465*	Pediatric cut-to-fit belts and sensors	1" (2.5cm) x 30" (76cm)	1.5mm touchproof	3.2" (8cm)	20 packs/box	
026466*	Pediatric cut-to-fit belts and sensors	1" (2.5cm) x 30" (76cm)	1.5mm touchproof	3.2" (8cm)	40 packs/box	
026467*	Adult cut-to-fit belts and sensors	1.5" (3.8cm) x 75" (190.5cm)	1.5mm touchproof	3.2" (8cm)	1 pack of 2 each	
026468*	Adult cut-to-fit belts and sensors	1.5" (3.8cm) x 75" (190.5cm)	1.5mm touchproof	3.2" (8cm)	20 packs/box	
026469*	Adult cut-to-fit belts and sensors	1.5" (3.8cm) x 75" (190.5cm)	1.5mm touchproof	3.2" (8cm)	40 packs/box	
026470*	1.5mm touchproof interface	n/a	1.5mm touchproof	96" (244cm)	2/pkg	Most systems that accept 1.5mm touchproof connectors
026471*	Key interface	n/a	Key	96" (244cm)	2/pkg	Most systems that accept key connectors

\*Not for sale in Canada

## SENSORS

### PVDF Respiratory Effort Belts



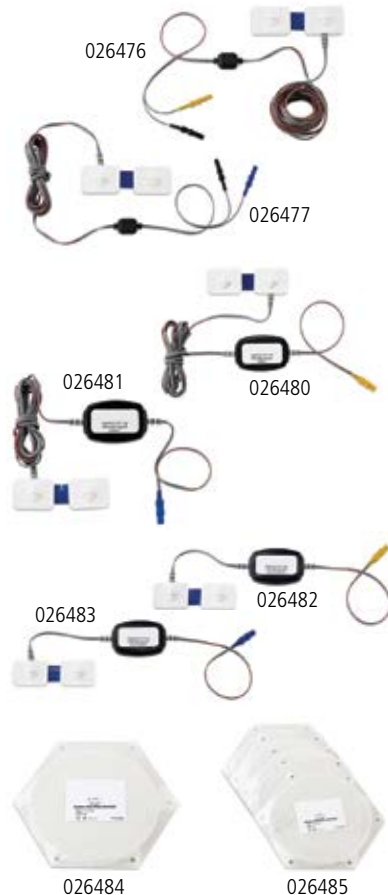
#### PerfectFit™ 3D Semi-Disposable Respiratory Effort System Starter Kits

- Disposable rolls of cut-to-fit, button-hole belt material
- Reusable PVDF sensors, ABS Filtration Module
- Reusable interface

Part Number	Type	Roll Length	Connector	Lead Wire Length	Quantity	Compatibility
026472*	(2) Perfect Fit3D sensors, (5) 50 yard rolls of Effort Belt Strap	(5) 50 yard rolls	1.5mm touchproof	108" (274cm)	1 kit/pkg	Most systems that accept 1.5mm touchproof connectors
026473*	(2) Perfect Fit3D sensors, (5) 50 yard rolls of Effort Belt Strap, Adult, SUM	(5) 50 yard rolls	1.5mm touchproof	108" (274cm)	1 kit/pkg	
026474*	(2) Perfect Fit3D sensors, (5) 50 yard rolls of Effort Belt Strap, Embla	(5) 50 yard rolls	Key	108" (274cm)	1 kit/pkg	Most systems that accept key connectors
026475*	(2) Perfect Fit3D sensors, (5) 50 yard rolls of Effort Belt Strap, Embla N7000	(5) 50 yard rolls	Key	18" (46cm)	1 kit/pkg	Embla N7000

\*Not for sale in Canada

#### PerfectFit™ 3D Semi-Disposable Respiratory Effort System Replacement Parts



Part Number	Type	Belt Dimensions	Connector	Lead Wire Length	Quantity	Compatibility
026476*	Effort Belt Sensor, Abdomen	n/a	1.5mm touchproof	108" (274cm)	1/pkg	Most systems that accept 1.5mm touchproof connectors
026477*	Effort Belt Sensor, Chest	n/a	1.5mm touchproof	108" (274cm)	1/pkg	
026478*	Effort Belt Sensor Module, Abdomen, SUM	n/a	1.5mm touchproof	108" (274cm)	1/pkg	
026479*	Effort Belt Sensor Module, Chest, SUM	n/a	1.5mm touchproof	108" (274cm)	1/pkg	
026480*	Effort Belt Sensor, Abdomen, Embla	n/a	Key	108" (274cm)	1/pkg	Most systems that accept key connectors
026481*	Effort Belt Sensor, Chest, Embla	n/a	Key	108" (274cm)	1/pkg	
026482*	Effort Belt Sensor, Abdomen, Embla N7000	n/a	Key	18" (46cm)	1/pkg	Embla N7000
026483*	Effort Belt Sensor, Chest, Embla N7000	n/a	Key	18" (46cm)	1/pkg	PerfectFit 3D Sensors
026484*	Effort Belt Strap, 20 studies	50 yard roll	n/a	n/a	1/pkg	
026485*	Effort Belt Strap, 100 studies	250 yard (five 50 yard rolls)	n/a	n/a	1/pkg	

\*Not for sale in Canada

## SENSORS

### Piezo Respiratory Effort Belts

#### Piezo Crystal Effort Sensor – Double Buckle

- One Piezo crystal effort sensor – double buckle
- One large elastic double buckle belt

Part Number	Type	Belt Length	Lead Wire Length	Quantity	Compatibility
1421102*	Chest or Abdomen	Large - 1" (2.5cm) x 67" (170.2cm)	78" (200cm)	1/pkg	Most systems that accept 1.5mm touchproof connectors
1370G-KIT*	Chest or Abdomen	Large - 1" (2.5cm) x 67" (170.2cm)	78" (200cm)	1/pkg	Reduced output signal for Grass PSG systems that accept 1.5mm touchproof connectors
1421101*	Abdomen	Large - 1" (2.5cm) x 67" (170.2cm)	27.6" (70cm)	1/pkg	Yellow (abdomen) key for Embla
1421100*	Chest	Large - 1" (2.5cm) x 67" (170.2cm)	15.7" (40cm)	1/pkg	Blue (chest) key for Embla

\*Not for sale in Canada



#### Piezo Crystal Effort Sensor Kit – Velcro® Tab

- One Piezo crystal effort sensor – double tab
- Two elastic tab belts; one small and one pediatric

Part Number	Type	Belt Lengths	Lead Wire Length	Quantity	Compatibility
1388G-KIT*	Chest or Abdomen	Small 1" (2.5cm) x 35" (88.2cm) Pediatric 1" (2.5cm) x 18" (45.7cm)	78" (200cm)	1 kit/pkg	Reduced output signal for Grass PSG systems that accept 1.5mm touchproof connectors
ACE116*	Chest or Abdomen	X-Large 1" (2.5cm) x 78" (200cm) Large 1" (2.5cm) x 51" (130cm)	78" (200cm)	1 kit/pkg	Most systems that accept 1.5mm touchproof connectors

\*Not for sale in Canada



#### Piezo Crystal Effort Sensor Kit – Double Loop

- One Piezo crystal effort sensor – double loop
- Two elastic belts; one large and one extra large

Part Number	Type	Belt Lengths	Lead Wire Length	Quantity	Compatibility
ACE114*	Chest or Abdomen	Small 1.5" (3.8cm) x 35" (90cm) Extra Small 1.5" (3.8cm) x 20" (50cm)	78" (200cm)	1 kit/pkg	Most systems that accept 1.5mm touchproof connectors

\*Not for sale in Canada



#### Piezo Film/Crystal Effort Sensor Kit – Double Loop

- One Piezo crystal effort sensor – double loop
- Two elastic belts; one large and one extra large

Part Number	Type	Belt Lengths	Lead Wire Length	Quantity	Compatibility
019-479600*	Chest or Abdomen, Piezo film	Large 1.5" (3.8cm) x 52" (132.1cm) XL 1.5" (3.8cm) x 75" (190.5cm)	78" (200cm)	1 kit/pkg	Most systems that accept 1.5mm touchproof connectors

\*Not for sale in Canada

#### Infant Piezo Beltless Effort Sensor

- Apply with adhesive tape

Part Number	Size	Lead Wire Length	Quantity	Compatibility
005732*	Infant	7' (2.1m)	1/pkg	Most systems that accept 1.5mm touchproof connectors

\*Not for sale in Canada



## SENSORS

### Airflow

#### Thermocouple Airflow Sensor

- Flexible, rubber coated probes for oral (one) and nasal (two)

Part Number	Type	Size	Lead Wire Length	Quantity	Compatibility
1401G*	Single Channel Oral/Nasal	Adult	78" (200cm)	1/pkg	Most systems that accept 1.5mm touchproof connectors
019-480200*	Single Channel Oral/Nasal	Adult	78" (200cm)	1/pkg	Most systems that accept 1.5mm touchproof connectors
019-481000*	Two Channel Oral/Nasal	Adult	78" (200cm)	1/pkg	Most systems that accept 1.5mm touchproof connectors
019-480800*	Two Channel Oral & Nasal	Adult	78" (200cm)	1/pkg	Most systems that accept 1.5mm touchproof connectors

\*Not for sale in Canada

#### Thermocouple Airflow Sensor

- Small size and smooth contour for improved patient tolerance

Part Number	Type	Size	Lead Wire Length	Quantity	Compatibility
1413G*	Single Channel Oral/Nasal	Adult	78" (200cm)	1/pkg	Most systems that accept 1.5mm touchproof connectors

\*Not for sale in Canada

#### Thermocouple Airflow Sensor for Cannula

- Hooks to any adult nasal cannula
- Adjustable prongs for stable recordings and patient comfort

Part Number	Type	Size	Lead Wire Length	Quantity	Compatibility
1401G-H*	Single Channel Oral/Nasal	Adult	78" (200cm)	1/pkg	Most systems that accept 1.5mm touchproof connectors
1421-H*	Single Channel Oral/Nasal	Adult	48" (122cm)	1/pkg	Key - for Grass AURA PSG & AURA PSG LITE

\*Not for sale in Canada

#### Child Thermocouple Airflow Sensor

- Stiff bendable prongs allow optimal patient comfort and signal quality

Part Number	Type	Size	Lead wire Length	Quantity	Compatibility
ACE131*	Single Channel Oral/Nasal	Child	78" (200cm)	1/pkg	Most systems that accept 1.5mm touchproof connectors
1420406*	Single Channel Oral/Nasal	Child	78" (200cm)	1/pkg	Embla systems with key connectors
019-480900*	Two Channel Oral & Nasal	Child	78" (200cm)	1/pkg	Most systems that accept 1.5mm touchproof connectors

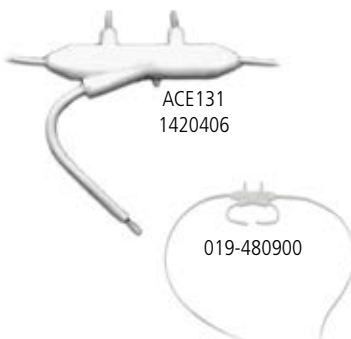
\*Not for sale in Canada

#### Child Extra Small Thermocouple Airflow Sensor

- Small size improves patient compliance
- 3 thermocouples generating a signal in response to temperature changes

Part Number	Type	Size	Lead Wire Length	Quantity	Compatibility
ACE176*	Single Channel Oral/Nasal	Child Extra Small	78" (200cm)	1/pkg	Most systems that accept 1.5mm touchproof connectors

\*Not for sale in Canada



## SENSORS

### Airflow

#### ThermoCan™ Integrated Thermal/Pressure Sensor

- All-in-one, thermal and pressure design for optimal patient comfort
- Disposable; no cleaning or breakage potential
- Complies with AASM recommendations for nasal and nasal/oral temperature monitoring

Part Number	Type	Length	Quantity	Compatibility
500102*	ThermoCan Interface Cable, Adult, touchproof connector	78" (200cm)	1/pkg	Cannulas designed for ThermoCan; most systems that accept 1.5mm touchproof connectors
500101*	ThermoCan Interface Cable, Adult, key connector	78" (200cm)	1/pkg	Cannulas designed for ThermoCan; Embla systems that accept key connectors
500103*	ThermoCan Interface Cable, key connector	33.5" (85cm)	1/pkg	
500104*	ThermoCan Thermal Cannula, Adult	7' (214cm)	50/pkg	Adult ThermoCan Interface Cable
500105*	ThermoCan Thermal Cannula, Adult	2' (61cm)	50/pkg	Adult ThermoCan Interface Cable
023121*	ThermoCan Interface Cable, Pediatric touchproof connector	85" (216cm)	1/pkg	Cannulas designed for ThermoCan; most systems that accept 1.5mm touchproof connectors
023122*	ThermoCan Interface Cable, Pediatric key connector	85" (216cm)	1/pkg	Cannulas designed for ThermoCan; Embla systems that accept key connectors
023123*	ThermoCan Thermal Cannula, Small Pediatric	7' (214cm)	25/pkg	Pediatric ThermoCan Interface Cable
023124*	ThermoCan Thermal Cannula, Large Pediatric	7' (214cm)	25/pkg	Pediatric ThermoCan Interface Cable

\*Not for sale in Canada



#### CannuTherm™ Integrated Thermal/Pressure Sensor

- Attaches to cannula; special port holds the thermal sensor
- Eliminates need to tape separate sensors together
- Complies with AASM recommendations for nasal pressure and nasal/oral temperature monitoring

Part Number	Type	Length	Quantity	Compatibility
105778*	CannuTherm	78" (200cm) lead wire	1 sensor & 5 cannulas/pkg	Cannulas designed for CannuTherm, Most systems that accept 1.5mm touchproof connectors
105750	Replacement adult nasal cannula	7' (214cm) cannula length	25/pkg	

 \*US only



#### Thermistor Airflow Sensor

- Flexible, rubber coated probes for oral (one) and nasal (two)

Part Number	Type	Size	Lead Wire Length	Quantity	Compatibility
1420435*	Single Channel Oral/Nasal	Adult	78" (200cm)	1/pkg	Embla systems with key connectors
1420430*	Single Channel Oral/Nasal	Adult	38" (96.5cm)	1/pkg	Embla systems with key connectors
019-480400*	Single Channel Oral/Nasal	Adult	35.5" (90cm)	1/pkg	Embla systems with key connectors
019-480600*	Single Channel Oral/Nasal	Adult	78" (200cm)	1/pkg	Most systems that accept 1.5mm touchproof connectors

\*Not for sale in Canada



## SENSORS

### Airflow

#### Disposable Embla® BreathSensor® Airflow Thermistor

- Saves time and money by eliminating the need for cleaning and sterilization



Part Number	Type	Size	Quantity	Compatibility
4140118	Single Channel Oral/Nasal	Adult	24/pkg	All BreathSensor Cables listed below
4140119	Single Channel Oral/Nasal	Children & Small Adults	24/pkg	
4140121	Single Channel Oral/Nasal	Infant	24/pkg	
4140120	Single Channel Oral/Nasal	Preemie	24/pkg	

Requires cable from table below

#### BreathSensor® Cables

- Cable includes a battery pack



Part Number	Length	Connectors	Quantity	Compatibility
1420446*	78" (200cm)	Key connector	1/pkg	Natus Embla NDx, Natus Embla SDx, Xltek Brain Monitor Embla S4500, Embla N7000, Embletta Gold
1420447*	23" (58cm)	Key connector	1/pkg	Embletta MPR
1420448*	78" (200cm)	Key connector	1/pkg	Embletta MPR
4140069*	78" (200cm)	1.5mm touchproof	1/pkg	Embla SD32; most systems that accept 1.5mm touchproof connectors
026454	78" (200cm)	1.5mm touchproof	1/pkg	Most systems the accept 1.5mm touchproof connectors

\*Not for sale in Canada



#### Ultima™ cTherm Cannula Thermistor Airflow Temperature Sensor

- Works well with any cannula
- Excellent thermal airflow and pressure signals with all cannulae
- No prongs to go up the nose
- Connects directly to the headbox



Part Number	Type	Size	Lead Wire Length	Quantity	Compatibility
026452	Oronasal	Adult	78" (200cm)	1/pkg	Most systems the accept 1.5mm touchproof connectors

#### Ultima™ cTherm Cannula Thermistor Airflow Temperature Sensor

- Works well with any cannula
- Excellent thermal airflow and pressure signals with all cannulae
- No prongs to go up the nose



Part Number	Type	Size	Lead Wire Length	Quantity	Compatibility
026453	Oronasal	Adult	32" (81cm)	1/pkg	Key connector

## SENSORS

### Airflow

#### Ultima™ Reusable Thermistor Airflow Sensor

- Reusable, comfortable design: no prongs to go up the nose
- Reliably and accurately measures adult nasal and oral airflow
- Thermistor design produces a stronger signal than thermocouple technology

Part Number	Type	Size	Lead Wire Length	Quantity	Compatibility
005890	Oronasal	Adult	71" (210cm)	1/pkg	Most systems that accept 1.5mm touchproof connectors
ACE171	Oronasal	Pediatric (ages 1-10 years)	71" (210cm)	1/pkg	Most systems that accept 1.5mm touchproof connectors



#### ThermiSense® Sensor Kits

Kit includes:

- Oral/Nasal Thermistor
- Nasal cannula with holder
- Oral/Nasal cannula with holder
- Filter

Part Number	Type	Sensor Lead Wire Length	Cannula Length	Quantity	Compatibility
1420124	Adult	84" (214cm)	84" (214cm)	1/pkg	Systems with key inputs
1420129	Adult	30" (76.2cm)	84" (214cm)	1/pkg	
1420126	Pediatric	30" (76.2cm)	84" (214cm)	1/pkg	
1420127	Pediatric	84" (214cm)	84" (214cm)	1/pkg	



#### FM2 TriplePlay™ Airflow Disposable Sensors

- Detects subtle changes in the airflow signal often associated with flow limitation and UARS
- PVDF sensor, ABS filtration module
- Fits well under a CPAP mask

Part Number	Type	Size	Quantity	Compatibility
026501*	Single Channel Oral/Nasal	Neonatal	10/pkg	All FM2 TriplePlay Cables below
026502*	Single Channel Oral/Nasal	Neonatal	50/pkg	
026503*	Single Channel Oral/Nasal	Infant	10/pkg	
026504*	Single Channel Oral/Nasal	Infant	50/pkg	
026505*	Single Channel Oral/Nasal	Pediatric	10/pkg	
026506*	Single Channel Oral/Nasal	Pediatric	50/pkg	
026507*	Single Channel Oral/Nasal	Small	10/pkg	
026508*	Single Channel Oral/Nasal	Small	50/pkg	
026509*	Single Channel Oral/Nasal	Medium	10/pkg	
026510*	Single Channel Oral/Nasal	Medium	50/pkg	
026511*	Single Channel Oral/Nasal	Large	10/pkg	
026512*	Single Channel Oral/Nasal	Large	50/pkg	

\*Not for sale in Canada



#### FM2 TriplePlay™ Airflow Disposable Sensor Cables

Part Number	Length	Connectors	Quantity	Compatibility
026499*	60" (1.5m)	1.5mm touchproof connector	1/pkg	Most systems that accept 1.5mm touchproof connectors
026500*	60" (1.5m)	Key connector	1/pkg	Embla systems with key connectors

\*Not for sale in Canada



## SENSORS

### Snore Sensors



#### Piezo Snoring Sensor

- Records vibration in the neck using a round, flexible thermo-plastic disc

Part Number	Type	Lead Wire Length	Quantity	Compatibility
1420610*	Snore, Piezoelectric	78" (200cm)	1/pkg	Most systems that accept 1.5mm touchproof connectors
1420615*	Snore, Piezoelectric	23.5" (60cm)	1/pkg	Most systems that accept 1.5mm touchproof connectors
1420605*	Snore, Piezoelectric	78" (200cm)	1/pkg	Embla systems with key connectors
1420600*	Snore, Piezoelectric	23.5" (60cm)	1/pkg	Embla systems with key connectors
019-479700*	Snore, Piezoelectric	78" (200cm)	1/pkg	Most Xltek systems that accept 1.5mm touchproof connectors

\*Not for sale in Canada



#### Ultima™ Snore Sensor

- Piezo technology
- Small and light
- Dual 1mm key connector

Part Number	Type	Diameter	Lead Wire Length	Quantity	Compatibility
026458	Snore, Piezo	0.6875" (17mm)	80" (206cm)	1/pkg	Most systems that accept 1.5mm touchproof connectors



#### AccuSnore Disposable Snore Sensor

- Superior sensitivity from PVDF technology
- Adhesive backing provides for multiple placement locations during testing
- One size fits all

Part Number	Type	Size	Lead Wire Length	Quantity	Compatibility
026486*	Snore, PVDF	Large	24" (61cm)	10/pkg	Most systems that accept 1.5mm touchproof connectors
026487*	Snore, PVDF	Large	24" (61cm)	50/pkg	

\*Not for sale in Canada



#### AccuSnore Disposable Snore Sensor Reusable Interface Cable

Part Number	Type	Diameter	Lead Wire Length	Quantity	Compatibility
026488*	ABS box	1" (2.54cm) x 0.7" (1.8cm) x 0.5" (1.3cm)	48" (122cm)	1/pkg	Most systems that accept 1.5mm touchproof connectors

\*Not for sale in Canada



## SENSORS

### Snore Sensors

#### Dynamic Microphone Snoring Sensor

- Converts snoring sounds into an analog signal
- Soft and lightweight; provides good seal against ambient noise

Part Number	Type	Diameter	Lead Wire Length	Quantity	Compatibility
1200G*	Snore, Dynamic Microphone	0.9" (2.3cm)	76" (190cm)	1/pkg	Most systems that accept 1.5mm touchproof connectors
019-480300*	Snore, Dynamic Microphone	0.6" (1.5cm)	76" (190cm)	1/pkg	

\*Not for sale in Canada



#### Ultima™ Reusable Snore Microphone

- Electret condenser microphone
- Detects higher frequencies of snoring
- Connects to headbox and senses snoring sounds
- Small; facilitates comfortable placement

Part Number	Type	Size	Lead Wire Length	Quantity	Compatibility
ACE172	Snore, Condenser Microphone	0.6" (1.6cm) x 0.4" (1.1cm) x 0.2 (0.5cm)	6.5' (1.98m)	1/pkg	Most systems that accept 1.5mm touchproof connectors



#### Ultima™ Q-Snor Kit

- Quantitative snoring sound volume meter
- Comes with a Q-Snor microphone (026457)
- Accurately and reliably records decibel sound level intensities between 40 and 100 decibels
- Provides accurate pre- and post-therapy study comparisons
- Terminates in two 1.5mm touchproof connectors

Part Number	Type	Dimensions	Lead Wire Length	Quantity	Compatibility
026456	Snore, Quantitative Sound Volume Meter	2.5" (6.5 ) x 4.75" (12cm)	84" (210cm)	1/pkg	Most systems that accept 1.5mm touchproof connectors



## DID YOU KNOW?

The sound of snoring is the result of air turbulence vibrating the structures in the upper airway; these sounds can range from 50 – 100 decibels

## SENSORS

### Pressure Flow/Snore



#### Piezo Pressure Flow/Snore Sensors

- Isolated element provides immunity from environmental artifacts
- Strong, stable signal

Part Number	Sensor Type	Lead Wire Length	Cannulas	Quantity	Compatibility
4140094*	AC Pressure, AC Snore	8" (20.3cm)	Sensor only, no cannulas included	1/pkg	Most systems that accept 1.5mm touchproof connectors
14838-KIT*	AC Pressure, AC Snore	8" (20.3cm)	Five 2' Adult Nasal	1 kit/pkg	Key - Grass AURA PSG & AURA PSG LITE
14832*	DC Pressure, AC Snore	8" (20.3cm)	Sensor only, no cannulas included	1/pkg	Key - Grass AURA PSG & AURA PSG LITE

\*Not for sale in Canada



#### Ultima™ Dual Pressure Flow/Snore Sensor

- Up to 6 outputs: Raw airflow, filtered airflow and snoring
- Record nasal and oral flow on separate channels
- Variable gain and baseline settings
- CPAP-compatible; auto-off
- Complies with guidelines for hypopnea detection
- Uses rechargeable or disposable AA batteries
- Kit includes: Sensor interface, 2 cables, 4 cannulas

Part Number	Sensor Type	Lead Wire Lengths	Connectors	Quantity	Compatibility
636060NE	AC/DC Pressure, AC Snore	12" (30.5cm) 2-pin key to 1.5mm touchproof connector	2 Adult micro nasal Luer Lock cannula with filter	1 kit/pkg	Most PSG systems via various connectors (includes both touchproof and key ports)
		12" (30.5cm) key to 3.5mm female phone connector	2 Nasal & oral Luer Lock cannula with filter		



#### Replacement Cable for Ultima™ Dual Pressure Flow/Snore Sensor

Part Number	Lead Wire Lengths	Connectors	Quantity	Compatibility
636062NE	18" (45.7cm)	2-pin key to 1.5mm touchproof connector	1/pkg	636060NE



#### Multi-Press AC/DC Pressure Flow/Snore Sensor Kit

- AC flow/snore, low level output
- DC air pressure output provides true differential air pressure between the + and – pressure inputs
- Adjustable flow and snore sensitivities
- Kit includes Pressure Module, AC & DC wire-sets and AA batteries

Part Number	Sensor Type	Lead Wire Lengths	Connectors	Quantity	Compatibility
019-479500*	AC/DC Pressure, AC Snore	AC Flow 9" (23cm), Snore 9" (23cm), DC Flow 78" (200cm)	AC Flow & Snore touchproof, DC Flow 1/8" Male Plug	1 kit/pkg	Most systems that accept 1.5mm touchproof and 1/8" male plugs Most Nicolet, Grass & Xltek systems are compatible Embla & Schwarzer systems require adapters

\*Not for sale in Canada

## SENSORS

### Pressure Flow/Snore

#### CPAP Pressure Tubing

- Tube with a Luer Lock connector to measure CPAP mask pressure

Part Number	Type	Length	Quantity	Compatibility
1420116	CPAP pressure tube	23.6" (60cm)	1/pkg	Natus Embla NDx, Natus Embla SDx, Embla N7000, Embla S4000/S4500, Embletta MPR, Embletta Gold. Most pressure flow/snore sensors & most CPAP masks
1420117	CPAP pressure tube	78.7" (200cm)	1/pkg	Natus Embla NDx, Natus Embla SDx, Embla N7000, Embla S4000/S4500, Embletta MPR, Embletta Gold. Most pressure flow/snore sensors & most CPAP masks



#### Double CPAP Pressure Tubing

- Double tube to measure CPAP mask pressure
- Used with the Pneumo-T-Adapter (part number 1420221)

Part Number	Type	Length	Quantity	Compatibility
1420218	Double CPAP pressure tube	78" (200cm)	1/pkg	Most pressure flow/snore sensors & most CPAP masks



#### CPAP Flow Adapter

- Pneumo-T-Adapter used with 1420218 tubing

Part Number	Type	Length	Quantity	Compatibility
1420221	CPAP pressure adapter	3.25" (8.5cm)	1/pkg	Most pressure flow/snore sensors & most CPAP masks



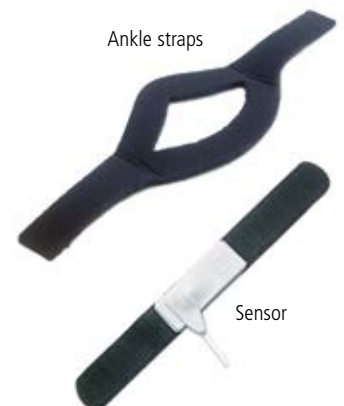
### Limb Movement Sensor Kits

#### Limb Movement Sensor Kits

- Piezo film sensor technology
- Includes a pair of elastic ankle straps

Part Number	Type	Lead Wire Length	Quantity	Compatibility
1770G-KIT*	Limb Movement	78" (200cm)	1 sensor & 2 bands/pkg	Most systems that accept 1.5mm touchproof connectors
1773-KIT*	Limb Movement	67" (170cm)	1 sensor & 2 bands/pkg	Key - Grass AURA PSG & AURA PSG LITE
ACE146*	Limb Movement	78" (200cm)	2 sensors & 2 bands/pkg	Most systems that accept 1.5mm touchproof connectors

\*Not for sale in Canada

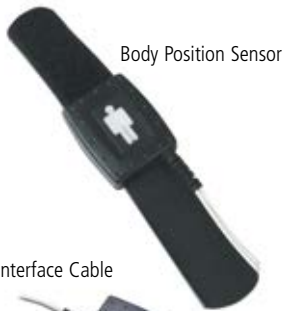


Ankle straps

Sensor

## SENSORS

### Body Position Sensors



Body Position Sensor



Interface Cable



Velcro Buckle Band

#### DC Body Position Sensor Kits

- Indicates the following positions: prone, supine, left, right or sitting/standing up
- Includes large, adjustable, Velcro® buckle band, 1" (2.5cm) width

Part Number	Type	Lead Wire Length	Quantity	Compatibility
019-480000*	DC Body Position, Voltage Type	78" (200cm)	1/pkg	Most systems that accept 1.5mm touchproof connectors
1440011*	DC Body Position, Resistance Type	78" (200cm)	1/pkg	Most systems that accept 1.5mm touchproof connectors
ACE119*	DC Body Position Type A - 5 DC Levels	78" (200cm)	1/pkg	Most systems that accept 1.5mm touchproof connectors
1574-KIT*	DC Body Position, Voltage Type	12" (30cm)	1/pkg	Key connector - Grass AURA PSG & AURA PSG LITE
1440021*	DC Body Position, Resistance Type	78" (200cm)	1/pkg	Key connector - Natus Embla NDx, Natus Embla SDx, Embla S4500
019-481300*	DC Body Position, Voltage Type	78" (200cm)	1/pkg	1/8" Male Plug - Grass Comet, Comet-PLUS
019-479900*	DC Body Position, Voltage Type	78" (200cm)	1/pkg	1/8" Female Plug - Embla Sandman SD32

\*Not for sale in Canada



#### Ultima™ Body Position Sensor

- Accelerometer-based 5-position sensor
- Easily attaches to effort belt
- Two-year battery life

Part Number	Type	Lead Wire Length	Quantity	Compatibility
026455	DC Body Position	78" (200cm)	1/pkg	Most systems that accept 1.5mm touchproof connectors

#### AC Body Position Sensor Kits

- Indicates the following positions: prone, supine, left, right or sitting/standing up
- Includes large, adjustable, Velcro® buckle band, 1" (2.5cm) width

Part Number	Type	Lead Wire Length	Quantity	Compatibility
1440010*	AC Body Position	78" (200cm)	1/pkg	Most systems that accept 1.5mm touchproof connectors
019-406500	AC Body Position	78" (200cm)	1/pkg	

\*Not for sale in Canada



Body Position Sensor

1440010

Interface Cable



Velcro Buckle Band



019-406500

Velcro Buckle Band

Body Position Sensor/  
Interface Cable

#### Body Positioning Pod, 3D Type

- 3-Dimensional Positioning information
- Provides Activity, Elevation and Body Position
- Attaches to the chest respiratory belt

Part Number	Type	Lead Wire Length	Connector	Quantity	Compatibility
022343	3D	78" (200cm)	5-pin DIN	1/pkg	Natus Embla NDx, Natus Embla SDx, Natus Brain Monitor



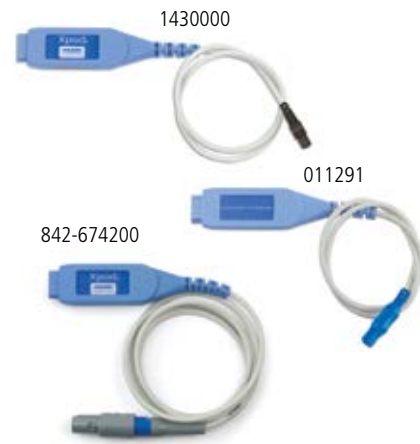
## SENSORS

### Oximetry

#### Nonin® Xpod®

- Clinically validated for challenging conditions such as motion and low perfusion
- Compatible with all Nonin PureLight Sensors

Part Number	Type	Cable Length	Quantity	Compatibility
1430000	Nonin Xpod Oximeter	18" (45.7cm)	1/pkg	Natus Embla NDx, Natus Embla SD, Embla N7000/S7000, S4000/S4500, titanium; Embletta Gold, PDS
011291	Nonin Xpod Oximeter	18" (45.7cm)	1/pkg	Embletta MPR
842-674200	Nonin Xpod Oximeter	43" (1m) & 10' (3m) extension cable	1/pkg	Nicolet v32



#### Sensor Clip for Nonin® Xpod®

- Keeps Nonin Flex Sensor firmly connected to Xpod

Part Number	Type	Quantity	Compatibility
1431530	Xpod sensor clip	1/pkg	Nonin Xpod (rectangular)



#### Sensor Clip for Nonin® Xpod®

- Keeps Nonin Flex Sensor connected to Xpod

Part Number	Type	Quantity	Compatibility
013400	Xpod sensor clip	1/pkg	Nonin Xpod (tapered)

#### Nonin® Reusable Articulated Finger Clip Sensors

- For spot checking and short term monitoring
- Comfortable, self-aligning grip
- Durable design; easy to clean

Part Number	Type	Cable Length	Quantity	Compatibility
1431020	Finger Clip Sensor, Adult	3' (1m)	1/pkg	Nonin oximeter



#### Nonin® Reusable Pulse Oximetry Extension Cables

Part Number	Type	Cable Length	Quantity	Compatibility
1430500	Oximeter Sensor Extension Cable	3' (1m)	1/pkg	Nonin oximeter
222-490300	Oximeter Sensor Extension Cable	9.8' (3m)	1/pkg	
222-490400	Oximeter Sensor Extension Cable	19.9' (6m)	1/pkg	



#### Nonin® PureLight® Reusable Soft Sensors

- Quick and easy application
- Comfortable fit for continuous monitoring
- Durable and easy to clean

Part Number	Type	Cable Length	Quantity	Compatibility
1431003	Soft Sensor, Small	3' (1m)	1/pkg	Nonin oximeter
1431004	Soft Sensor, Medium	3' (1m)	1/pkg	
1431005	Soft Sensor, Large	3' (1m)	1/pkg	
105592	Soft Sensor, Medium	9.8' (3m)	1/pkg	
105593	Soft Sensor, Large	9.8' (3m)	1/pkg	



## SENSORS

### Oximetry



#### Nonin® PureLight® Reusable FlexSensor & Disposable FlexiWrap® Adhesive Sensors

- Hybrid sensor system is useful in extended monitoring and sleep studies
- Combines convenience of disposable sensor with economy of reusable sensor
- Available in multiple sizes that fit neonates to adults
- Includes a starter pack of 25 disposable FlexiWraps

Part Number	Type	Cable Length	Quantity	Compatibility
1431000	FlexSensor, Adult	3' (1m)	1/pkg	Nonin oximeter
1431002	FlexSensor, Adult	9.8' (3m)	1/pkg	
1431011	FlexSensor, Infant	3' (1m)	1/pkg	
1431010	FlexSensor, Neonatal	3' (1m)	1/pkg	

Part Number	Type	Quantity	Compatibility
1431500	FlexiWrap, Adult	25/pkg	1431000 & 1431002 Flex Sensors
1431502	FlexiWrap, Infant	25/pkg	1431011 Flex Sensors
1431501	FlexiWrap, Neonatal	25/pkg	1431010 Flex Sensors



#### Nonin® PureLight® Disposable Sensors

- Soft, cushioning material provides comfort and secure placement for extended monitoring

Part Number	Type	Cable Length	Quantity	Compatibility
105720XL	Disposable Sensor, Adult	3' (1m)	24/pkg	Nonin oximeter

#### Nonin® Disposable PureLight® Cloth Sensors

- PureLight® technology and PureSAT® signal processing provide consistent results from patient to patient and sensor to sensor, even with low perfusion
- Ideal for extended monitoring or situations where the risk of cross-contamination is high
- Stretchable cloth material accommodates hard-to-fit patients such as infants and neonates
- Adhesive, tear-resistant cloth is designed for easy and secure placement, as well as frequent repositioning

Part Number	Type	Patient Range	Preferred Application	Cable Length	Quantity	Compatibility
026513	Adult	>66lb (30kg)	Index, middle or ring fingers	3' (1m)	24/box	Nonin oximeter
026514	Pediatric	>22lb (10kg)	Index, middle or ring fingers	3' (1m)	24/box	
026515	Infant	4.4lb-44lb (2kg-20kg)	Fingers or large toe	3' (1m)	24/box	
026516	Neonate/Adult	Neonate: <4.4lb (2kg) Adult: >66lb (30kg)	Foot for neonate; index finger for adult	3' (1m)	24/box	

#### Nonin® Disposable PureLight® Durafoam Sensors

- Extended-life: average use-life of 14 days per patient
- Non-adhesive foam helps maintain skin integrity for patients
- Easy to apply and re-apply for improved efficiency during patient care
- Two unique shapes for adult or pediatric patients—choose the best option for each patient

Part Number	Type	Digit Thickness	Patient Range	Preferred Application	Cable Length	Quantity	Compatibility
026519	Standard (Pediatric to adult)	0.19"-0.82" (5mm-21mm)	>66lb (30kg)	Index finger	3' (1m)	5/pkg	Nonin oximeter
026520	Small (Pediatric to adult)	0.19"-0.82" (5mm-21mm)	>66lb (30kg)	Index finger	3' (1m)	5/pkg	



## SENSORS

### Oximetry

#### Masimo LNCS® Disposable Adhesive Sensors with Cable Attached

- Disposable sensors limit cross-contamination risks and decrease site pressure
- Excellent adherence, increasing monitoring effectiveness in high-motion areas

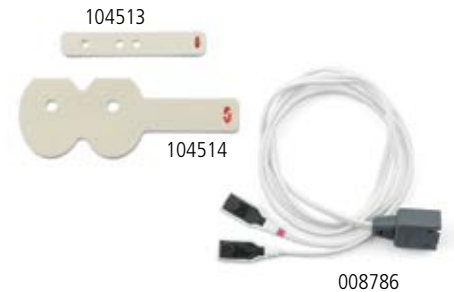
Part Number	Type	Cable Length	Quantity	Compatibility
008781	LNCS adhesive sensor, Adult	18" (45.7cm)	20/pkg	Xltek EMU40, Xltek Connex, Xltek Brain Monitor systems
008782	LNCS adhesive sensor, Pediatric	18" (45.7cm)	20/pkg	
008783	LNCS adhesive sensor, Infant	18" (45.7cm)	20/pkg	



#### Masimo Y-I Multisite Reusable Sensors & Wraps

- For patients greater than 2.2lb (1kg)

Part Number	Type	Cable Length	Quantity	Compatibility
008786	LNCS Y-I Reusable Sensor	3' (1m)	1/pkg	Xltek EMU40, Xltek Connex, Xltek Brain Monitor systems
104514	Disposable Standard Wrap	n/a	100/pkg	Y-I Reusable Sensor
104513	Disposable Petite Wrap	n/a	100/pkg	Y-I Reusable Sensor



#### Masimo Reusable Sensors

- LNCS DBI reusable adult soft sensor with 3' cable

Part Number	Type	Cable Length	Quantity	Compatibility
008777	LNCS reusable sensor, Adult	3' (1m)	1/pkg	Xltek EMU40, Xltek Connex, Xltek Brain Monitor systems



#### Masimo Reusable Finger Clip Sensors

- Adjustable hinge allows sensor to fit various finger sizes
- For short term spot checking

Part Number	Type	Cable Length	Quantity	Compatibility
008785	LNCS finger clip sensor, pediatric	3' (1m)	1/pkg	Xltek EMU40, Xltek Connex, Xltek Brain Monitor systems
008784	LNCS finger clip sensor, adult	3' (1m)	1/pkg	Xltek EMU40, Xltek Connex, Xltek Brain Monitor systems



#### Masimo Patient Cables

Part Number	Type	Cable Length	Quantity	Compatibility
103847	Masimo LNCP Patient Cable	12' (3.66m)	1/pkg	Xltek PSG systems
008776	Masimo LNCS Patient Cable	14' (4.27m)	1/pkg	Xltek PSG systems



## CANNULAS



### Adult Nasal/Oral Pressure Cannulas

- Semi-rigid wire in oral trunk allows precise placement
- Ideal length when pressure sensor is bedside or similar distance from patient
- Disposable

Part Number	Type	Supply Tube Length	Quantity	Compatibility
1420100	Nasal/Oral	1' (0.3m) Terminates in a male Luer Lock connector without filter	25/pkg	Most pressure flow/snore sensors with standard Luer Lock connectors
1420101	Nasal/Oral	7' (2.1m) Terminates in a male Luer Lock connector without filter	25/pkg	



### Adult Nasal Pressure Cannulas

- Ideal length when pressure sensor is bedside or similar distance from patient
- Disposable

Part Number	Type	Size	Supply Tube Length	Quantity	Compatibility
1420002	Nasal	Adult	15" (38cm) Tubing terminates in male Luer Lock connector without filter	50/pkg	Most pressure flow/snore sensors with standard Luer Lock connectors
1420011	Nasal	Adult	47" (120cm) Tubing terminates in male Luer Lock connector without filter	50/pkg	
1420013	Nasal	Adult	71" (181cm) Tubing terminates in male Luer Lock connector without filter	50/pkg	



### Infant Nasal Pressure Cannulas

- For newborns to three months old
- Ideal length when pressure sensor is located very close to the patient
- Disposable

Part Number	Type	Distance Between Nares	Supply Tube Length	Quantity	Compatibility
1420040*	Nasal	0.3" (7.6mm)	3' (1m) Tubing terminates in male Luer Lock connector without filter	50/pkg	Most pressure flow/snore sensors with standard Luer Lock connectors

\*Not for sale in Canada



### Intermediate Infant Nasal Pressure Cannulas

- For patients three months to one year of age
- Ideal length when pressure sensor is located very close to the patient
- Disposable

Part Number	Type	Distance Between Nares	Supply Tube Length	Quantity	Compatibility
1420030*	Nasal	0.36" (9.1mm)	3' (1m) Tubing terminates in male Luer Lock connector without filter	50/pkg	Most pressure flow/snore sensors with standard Luer Lock connectors

\*Not for sale in Canada



## CANNULAS

### Pediatric Nasal Pressure Cannulas

- For patients one year of age and older
- Disposable

Part Number	Type	Distance Between Nares	Supply Tube Length	Quantity	Compatibility
1420020*	Nasal	0.475" (1.21mm)	1' (0.3m) Tubing terminates in male Luer Lock connector without filter	50/pkg	Most pressure flow/snore sensors with standard Luer Lock connectors
1420050*	Nasal	0.475" (1.21mm)	7' (2.1m) Tubing terminates in male Luer Lock connector without filter	50/pkg	

\*Not for sale in Canada



### Adult ThermiSense® Nasal Pressure Cannulas with Filter

- Replacement cannula with holder for ThermiSense diagnostic thermistor temperature sensing system
- Disposable

Part Number	Type	Cannula Length	Quantity	Compatibility
1420110	Nasal	7' (2.1m) Tubing terminates in male Luer Lock connector with filter	25/pkg	Adult ThermiSense nasal/oral airflow sensors



### Adult ThermiSense® Nasal Pressure Cannulas

- Replacement cannula with holder for ThermiSense diagnostic thermistor temperature sensing system
- Disposable

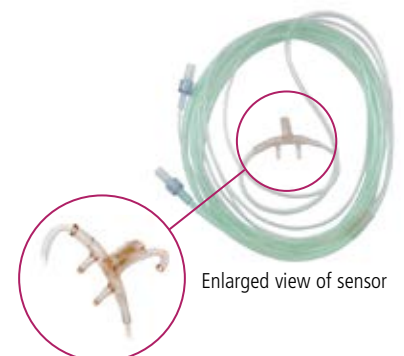
Part Number	Type	Cannula Length	Quantity	Compatibility
1420111	Nasal	7' (2.1m) Tubing terminates in male Luer Lock connector without filter	25/pkg	Adult ThermiSense nasal/oral flow sensors
1420112	Nasal	2' (0.61m) Tubing terminates in male Luer Lock connector without filter	25/pkg	



### Adult ThermiSense® Nasal/Oral Pressure & Gas Sampling Cannulas

- Replacement cannula with holder for ThermiSense diagnostic thermistor temperature sensing system
- Disposable

Part Number	Type	Cannula Lengths	Quantity	Compatibility
1420114	Nasal/Oral	One 7' (2.1m) Airflow Pressure tube & one 7' (2.1m) End Tidal CO <sub>2</sub> tube. Tubing terminates in male Luer Lock connector without filter	25/pkg	Adult ThermiSense nasal/oral airflow sensors



Enlarged view of sensor



## DID YOU KNOW?

Sea otters hold hands when they sleep so they don't drift away from each other

## CANNULAS



### Pediatric ThermiSense® Nasal Pressure & Gas Sampling Cannulas

- Replacement cannula with holder for ThermiSense diagnostic thermistor temperature sensing system
- Disposable

Part Number	Type	Cannula Lengths	Quantity	Compatibility
1420125	Nasal	One 7' (2.1m) Airflow Pressure tube & one 7' (2.1m) End Tidal CO <sub>2</sub> tube. Tubing terminates in male Luer Lock connector without filter	25/pkg	Pediatric ThermiSense nasal/oral airflow sensors



### Adult ThermiSense® Nasal Pressure & Gas Sampling Cannulas

- Replacement cannula with holder for ThermiSense diagnostic thermistor temperature sensing system
- Disposable

Part Number	Type	Cannula Lengths	Quantity	Compatibility
1420113	Nasal	One 7' (2.1m) Airflow Pressure tube & one 7' (2.1m) End Tidal CO <sub>2</sub> tube. Tubing terminates in male Luer Lock connector without filter	25/pkg	Adult ThermiSense nasal/oral airflow sensors



### Hydrophobic Filter Extension Tube

- Luer Lock connectors

Part Number	Type	Quantity	Compatibility
1450031	Filter	25 extension tubes & 25 filters/pkg	Most cannulas & pressure flow/snore sensors



### Disposable Cannula Filters

- Luer Lock connectors

Part Number	Type	Quantity	Compatibility
15809*	Filter	1/pkg	Most cannulas & pressure flow/snore sensors

\*Not for sale in Canada



### Female to Female Luer Lock Adapter

- Luer Lock connectors

Part Number	Type	Quantity	Compatibility
020324*	Adapter	5/pkg	Most cannulas & pressure flow/snore sensors

\*Not for sale in Canada

## ANCILLARY SLEEP SUPPLIES

### Adhesive Electrodes with Lead Wires Attached

#### Disposable Adhesive Chin EMG Electrode with Lead Wire Attached

- Consists of three individual surface AgCl electrodes in a 3" (7.6cm) x 2" (5cm) triangle formation
- Uses one electrode as a backup when recording chin muscle activity during sleep studies

Part Number	Lead Length	Quantity	Compatibility
026489*	84" (213cm)	50/pkg	Most systems that accept 1.5mm touchproof connectors

\*Not for sale in Canada



### Snap Electrodes

#### Disposable Adhesive Dual Leg EMG Snap Electrode

- Consists of two surface AgCl electrodes in a single 2" (5cm) x 1" (2.54cm) patch
- Ideal for a quick setup to record leg movements during sleep studies

Part Number	Type	Quantity	Compatibility
026498*	Oval with 2 snaps	50/pkg	Most systems that accept 1.5mm touchproof connectors; requires snap leads for Leg EMG

\*Not for sale in Canada



#### Disposable Adhesive Center Snap Square Electrodes

- Solid gel Ag/AgCl electrodes, 7/8" (22.2mm) square cloth-backed contact area with robust adhesive
- Ideal for sleep studies

Part Number	Type	Quantity	Compatibility
022108	Square Snap	5/pkg	Most systems that accept 1.5mm touchproof connectors; requires snap leads
444010	Square Snap	30/pkg	



#### Disposable Adhesive Offset Snap Round Electrodes

- Circular shape, 1.9" (48mm) diameter with offset snap
- Wet gel Ag/AgCl sensor material, foam backing

Part Number	Type	Quantity	Compatibility
1410505	Circular with offset snap	25/pkg	Most systems that accept 1.5mm touchproof connectors; requires snap leads



#### Disposable Adhesive Offset Snap Small Electrodes

- 22mm x 28mm with offset snap
- Wet gel Ag/AgCl sensor material, foam backing

Part Number	Type	Quantity	Compatibility
1410510	Oval with offset snap	25/pkg	Most systems that accept 1.5mm touchproof connectors; requires snap leads



#### Disposable Adhesive Center Snap Round Electrode

- Circular shape, 1-7/8" (48mm) diameter
- Solid gel Ag/AgCl sensor material with vinyl backing

Part Number	Type	Quantity	Compatibility
022107	Circular with center snap	5/pkg	Most systems that accept 1.5mm touchproof connectors; requires snap leads
1410500	Circular with center snap	30/pkg	



See Page 20 for additional disposable snap electrodes

## ANCILLARY SLEEP SUPPLIES

### Snap Leads

#### Reusable Snap Lead Pairs for EMG

- Designed for use with disposable snap EMG leg electrodes
- Red and white button snaps, gray lead wires, touchproof connectors



Part Number	Type	Lead Length	Quantity	Compatibility
026490*	Snap Leads	48" (1.22m)	2/pkg	Most systems that accept 1.5mm touchproof connectors
026491*	Snap Leads	48" (1.22m)	20/pkg	
026492*	Snap Leads	60" (1.52m)	2/pkg	
026493*	Snap Leads	60" (1.52m)	20/pkg	
026494*	Snap Leads	100" (2.54m)	2/pkg	
026495*	Snap Leads	100" (2.54m)	20/pkg	
026496*	Snap Leads	120" (3.05m)	2/pkg	
026497*	Snap Leads	120" (3.05m)	20/pkg	

\*Not for sale in Canada

#### Reusable Snap Lead Set

- Color-coded (blue, gray, purple, green, yellow) lead wires terminate in 1.5mm touchproof connectors
- Designed for use with disposable snap electrodes



Part Number	Type	Lead Length	Quantity	Compatibility
019-419000	Snap Leads	39" (1m)	5/pkg	Most EMG systems
019-419100	Snap Leads	59" (1.4m)	5/pkg	
019-419200	Snap Leads	79" (2m)	5/pkg	
019-419300	Snap Leads	118" (3m)	5/pkg	

#### Reusable Snap Lead Pairs

- Color-coded (blue, gray) lead wires terminate in 1.5mm touchproof connectors
- Designed for use with disposable snap electrodes



Part Number	Type	Lead Length	Quantity	Compatibility
019-424500	Snap Leads	60" (152cm)	1 pair/pkg	Most EMG systems

#### Reusable Shielded 2-Snap Lead Cable

- Shielded lead terminates in a 5-pin DIN connector and two color-coded button snaps (black, red)
- Designed for use with disposable snap electrodes



Part Number	Type	Lead Length	Quantity	Compatibility
085-452500	Snap Lead	60" (152cm)	1 lead/pkg	Most EMG systems

#### Reusable Snap Lead Pairs

- Designed for use with disposable snap electrodes
- Orange lead wire, orange button snap, orange touchproof connector



Part Number	Type	Lead Length	Quantity	Compatibility
1411517	Snap Leads	39" (1m)	2/pkg	Most systems that accept 1.5mm touchproof connectors
1411524	Snap Leads	79" (2m)	2/pkg	

## ANCILLARY SLEEP SUPPLIES

### Snap Leads

#### Reusable Snap Lead Pairs

- Designed for use with disposable snap electrodes
- Black lead wire, black button snap, black touchproof connector

Part Number	Type	Lead Length	Quantity	Compatibility
1411520	Snap Lead	60" (1.5m)	2/pkg	Most systems that accept 1.5mm touchproof connectors
1411535	Snap Leads	120" (3m)	2/pkg	



#### Reusable Snap Lead Pairs

- Designed for use with disposable snap electrodes
- Black lead wire, white button snap, white touchproof connector

Part Number	Type	Lead Length	Quantity	Compatibility
1411530	Snap Leads	120" (3m)	2/pkg	Most systems that accept 1.5mm touchproof connectors



#### Reusable Snap Lead, Ground

- Designed for use with disposable snap electrodes
- Green lead wire, green button snap, green touchproof connector

Part Number	Type	Lead Length	Quantity	Compatibility
1411516	Snap Leads	39" (1m)	1/pkg	Most systems that accept 1.5mm touchproof connectors



#### Short Reusable Snap Leads

- Designed for use with disposable snap electrodes

Part Number	Type	Lead Length / Color	Quantity	Compatibility
1411541	Snap Lead	24" (0.6m) / Red	1/pkg	Most systems that accept 1.5mm touchproof connectors
1411548	Snap Lead	24" (0.6m) / Green	1/pkg	
1411542	Snap Lead	29.5" (0.75m) / Black	1/pkg	



#### Reusable Snap Leads

- Designed for use with disposable snap electrodes
- Black lead wire, black button snap, black touchproof connector

Part Number	Type	Lead Length	Quantity	Compatibility
F-SL48	Snap Lead	48" (1.2m)	3/pkg	Most systems that accept 1.5mm touchproof connectors
F-SL60	Snap Lead	60" (1.5m)	3/pkg	
F-SL72	Snap Lead	72" (1.8m)	3/pkg	
F-SL96	Snap Lead	96" (2.4m)	3/pkg	
F-SL120	Snap Lead	120" (3m)	3/pkg	



## ANCILLARY SLEEP SUPPLIES

### Velcro® Straps



#### Velcro® Elastic Straps

- Provides patient comfort while holding components securely in place

Part Number	Description	Length	Quantity	Compatibility
1421234	Small Velcro Elastic Strap	30" (76cm)	1/pkg	Most PSG systems
1421236	Medium Velcro Elastic Strap	45" (114cm)	1/pkg	
1421238	Large Velcro Elastic Strap	72" (183cm)	1/pkg	
1421230	Velcro Elastic Strap Kit; one each Small, Medium, Large	One each of above	1 kit/pkg	



#### Cable Wraps

- Ideal for bundling cables and wires

Part Number	Type	Quantity	Compatibility
1450021	Velcro Cable Wraps	12/pkg	Most PSG systems

### Adapters



#### 1.5mm to Key Adapter

- Converts 1.5mm touchproof connectors to a male key connector
- Options for adapting either female or male 1.5mm touchproof connectors
- Adaptors are used with RIP belts and other PSG sensors

Part Number	Description	Length	Quantity	Compatibility
1451056*	Two 1.5mm male touchproof connectors to male key adapter	6" (15cm)	1/pkg	Most PSG systems
026459	Two 1.5mm female touchproof connectors to male key connector	19" (48cm)	1/pkg	

\*Not for sale in Canada



## Natus Application Products

Electrode Creams, Pastes, Gels • Skin Preps  
Ancillary Application Supplies • Electrode Placement • Cleaners

# APPLICATION PRODUCTS

## ELECTRODE CREAMS, PASTES, GELS



### Ten20® Conductive Paste

- Balance of adhesiveness and conductivity
- Washable and non-drying; easy clean-up

Part Number	Type	Size	Quantity
026525*	Ten20 Electrode Paste	Single-Use Cups 0.5oz (15g)	24/pkg
024066	Ten20 Electrode Paste	2oz (57g) jar	3/pkg
1411003	Ten20 Electrode Paste	4oz (114g) jar	3/pkg
016-703700	Ten20 Electrode Paste	8oz (228g) jar	3/pkg
122-736000	Ten20 Electrode Paste	4oz (114g) tube	3/pkg



\*US only



### SYNAPSE Conductive Electrode Cream

- Convenient application
- Non-staining to skin or clothing
- Rapid and easy clean-up

Part Number	Type	Size	Quantity
016-703800	Synapse Conductive Electrode Cream	5oz (140g) bottle	1/pkg



### Grass® EC3 Conductive Adhesive Gel

- Conductive immediately – no waiting period
- Water soluble; easily removable; non-staining
- Non-flammable; no solvent odor or fumes
- Eliminates tape and tape irritation
- Bacteriostatic

Part Number	Type	Size	Quantity
EC3	EC3 Conductive Adhesive Gel	1.76oz (50g) tube	12/box

For optimal results for LTM, 026641 Cover-Roll is recommended with these products. (See page 85)



### TENSIVE® Conductive Adhesive Gel

- Eliminates tape and tape irritation
- Immediately conductive
- Water soluble; easily remove with water

Part Number	Type	Size	Quantity
016-401600	Tensive Conductive Adhesive Gel	1.76oz (50g) tube	1/pkg
026040	Tensive Conductive Adhesive Gel	1.76oz (50g) tube	12/pkg

For optimal results for LTM, 026641 Cover-Roll is recommended with these products. (See page 85)



### SIGNACREME® Electrode Cream

- Highly conductive cream electrolyte for use in electro-medical procedures
- Cosmetic quality, pleasing to patients
- Non-irritating, bacteriostatic

Part Number	Type	Size	Quantity
101086	Signacreme	5oz (142g) bottle	1/pkg



### SIGNAGEL® Electrode Gel

- Highly conductive, multipurpose electrolyte
- Bacteriostatic
- Water soluble, non-staining, non-gritty

Part Number	Type	Size	Quantity
102340XL	Signagel	8.5oz (250g) tube	1/pkg



# APPLICATION PRODUCTS

## ELECTRODE CREAMS, PASTES, GELS

### SPECTRA® 360 Electrode Gel

- Non-gritty, STAY-WET® formula allows for prolonged use without reapplication
- Non-irritating, bacteriostatic
- For ECG monitoring and pediatrics

Part Number	Type	Size	Quantity
016-401800	Spectra 360 Electrode Gel	8.5oz (250g) tube	1/pkg



### AQUASONIC® 100 Ultrasound Transmission Gel

- For diagnostic medical ultrasound
- Acoustically correct for the broad range of frequencies used
- Completely aqueous, will not stain clothing or damage transducers
- Not electrically conductive

Part Number	Type	Size	Quantity
122-737200	Aquasonic 100 Gel	8.5oz (0.25l) bottle	1/pkg



## SKIN PREPS

### NuPrep® Skin Prep Gel

- Used to reduce skin impedance for improved tracings
- Mild abrasive formula improves conductivity
- Helps achieve maximum efficiency with equipment

Part Number	Type	Size	Quantity
024065	NuPrep Skin Prep	1oz (25g) tube	6/pkg
122-736100	NuPrep Skin Prep	4oz (114g) tube	3/pkg



### LemonPrep™ Abrasive Skin Prepping Lotion

- Balanced pH formula to minimize impedance
- Includes aloe vera to condition patient's skin
- Lemon scent

Part Number	Type	Size	Quantity
016-401000	LemonPrep Skin Prep	4oz (113g) tube	3/pkg
016-403300	LemonPrep Skin Prep Single Patient Cups	0.35oz (9.9g) cups	24/pkg



### Waveprep® Mildly Abrasive Skin Prep

- Dye free, mildly abrasive, reduces skin impedance
- Single use cups reduce risk of cross-contamination

Part Number	Type	Size	Quantity
016-402900*	Waveprep Skin Prep Single Patient Cups	0.3oz (8.5g) cups	24/pkg



\*US only

## SKIN PREPS



### Electrode Prep Pads & Alcohol Pads

- Use to cleanse electrode site and lower impedance
- Prep pad is formulated with pumice
- Both pads are saturated with 70% isopropyl alcohol

Part Number	Type	Size	Quantity
016-703200	Electrode Prep Pad	1.25" (3.18cm) x 2.5" (6.35cm)	100/pkg
016-703000	Alcohol Pads	1.25" (3.18cm) x 2.5" (6.35cm)	200/pkg



### Uni-Patch™ Pre-TENS Skin Prep Wipes

- Pre-treatment skin wipe cleans, disinfects, and leaves a coating to shield the skin from adhesives and possible irritation
- Increases conductivity and prevents body oils from being absorbed into the electrode gel

Part Number	Type	Size	Quantity
444020*	Skin Prep Pad	1.25" (3.18cm) x 2.5" (6.35cm)	50/pkg



\*US only



### 3M™ One Step Red Dot™ Skin Prep Abrader Tape

- Abrasive tape works just like gel preps without the mess
- Adhesive on one side and abrasive on the other

Part Number	Type	Size	Quantity
016-400000	Skin Prep Tape	196" (5m) roll	1/pkg

## ANCILLARY APPLICATION SUPPLIES

### 3M™ Surgical Tapes & Wraps

Part Number	Type	Width	Length	Quantity
123-402000	3M Coban Self-Adherent Wrap	3" (5cm)	15' (4.5m) roll	12/pkg
123-723900	3M Micropore Surgical Tape	1" (2.5cm)	30' (9m) roll	12/pkg
101917	3M Transpore Surgical Tape	1" (2.5cm)	30' (9m) roll	12/pkg
AT15	3M Blenderm Surgical Tape	1" (2.5cm)	15' (4.5m) roll	12/pkg



### Coban™ Self-Adherent Wrap

- Elastic wrap that functions like a tape but sticks only to itself



### Micropore™ Surgical Tape

- Hypoallergenic paper tape; gentle on skin yet adheres well
- Leaves minimal adhesive residue upon removal
- Excellent medical tape for repeated applications on sensitive or fragile skin



### Transpore™ Surgical Tape

- Transparent, easy-to-tear plastic perforated tape
- Designed for dependability and ease-of-use
- Porous for breathability
- Water resistant and hypoallergenic



### Blenderm™ Surgical Tape

- Flexible, non-porous, polyethylene tape designed to provide a barrier from external fluids and contamination
- Transparent for easy monitoring
- Waterproof barrier for protection from external fluids and contaminants
- Hypoallergenic for sensitive patients

## ANCILLARY APPLICATION SUPPLIES

### Cover-Roll® Stretch

- Retains the primary dressing on small to large wound sites and is ideal to use on areas of the body requiring flexibility
- The soft, stretchable non-woven polyester material adapts well to body contours
- Provides light compression without causing constriction or congestion
- The polyacrylate adhesive holds dressing safely and reliably in place, even in presence of moisture
- Radio-transparent to eliminate the need to remove for x-ray examinations
- Not made with natural rubber latex

Part Number	Type	Size	Quantity
026641	Stretch Bandage	2" (5.1cm) x 30' (9.1m) roll 360 (109.2) total	12/pkg



### Conform® Stretch Gauze Rolls

- Medical grade, non-sterile

Part Number	Type	Size	Length	Quantity
104517	Stretch gauze	3" (7.6cm)	12.3' (3.75m) roll	12/pkg



### Dermacea® Stretch Bandage Rolls

- One-ply cotton and polyester blend crocheted construction
- Provides softness, conformability, low lint and high absorbency – non-sterile

Part Number	Type	Size	Length	Quantity
017517	Adult Stretch Bandage	4" (10.2cm)	12' (3.7m) roll; 144' (44m) total	12/pkg
020002	Pediatric Stretch Bandage	3" (7.6cm)	12' (3.7m) roll; 144' (44m) total	12/pkg



### Gauze Squares

- Convenient pre-cut gauze squares for electrode application

Part Number	Type	Size	Quantity
103825	12 ply, non-sterile gauze pads	2" (5.1cm) x 2" (5.1cm)	200/pkg
016-400800	12 ply, sterile gauze pads, 2 per pouch	3" (7.6cm) x 3" (7.6cm)	50 pouches/pkg



103825

### Cotton-Tipped Applicators/Swabs

- Ideal for electrode site preparation

Part Number	Type	Size	Quantity
1412002	Applicators/Swabs, wooden stick	3" (7.6cm) length	1000/pkg
1412006	Applicators/Swabs, plastic stick	4" (10cm) length	50/pkg
102107	Applicators/Swabs, wooden stick	6" (15.2cm) length	100/pkg



## ELECTRODE PLACEMENT



### Electrode Placement Markers

- Great for scalp marking

Part Number	Type	Color	Quantity
EM1	Sharpie® Peel-Off™ China Marker	Red	12/pkg
EM2	Sharpie® Peel-Off™ China Marker	White	12/pkg
EM3	Sharpie® Peel-Off™ China Marker	Blue	12/pkg
270-401000	Wet Erase Marker	Blue	1/pkg
103035	Surgical Skin Marker, Wet, highly visible, non-tattooing, sterile	Violet	10/pkg



### Measurement Tapes

- Easy to read

Part Number	Type	Quantity
101432XL	Retractable, inches & centimeters, vinyl tape for surface & other measurements	1/pkg
EDAID2	International 10-20 Electrode Placement, 0-70 one side; 35-0-35 on the other, Tyvek® tape	2/pkg

## CLEANERS – US ONLY



### Zymit® Enzyme Cleaner

- Unique formulation of enzymes and detergents
- Removes blood, tissue, mucous or other body fluids from reusable electrodes and instruments
- Effective against a number of common micro-organisms

Part Number	Type	Size	Quantity
122-412700*	Zymit Enzyme Cleaner	33.8oz (1l) bottle	1/pkg



### Protex™ ULTRA Disinfectant Wipes

- For disinfecting ultrasound transducers, probes, mammography compressor plates and other hard, non-porous surfaces
- One-step hospital-use disinfectant

Part Number	Type	Quantity
019-473000*	Protex ULTRA Disinfectant Wipes, Softpack	60 wipes/pkg
017125*	Protex ULTRA Disinfectant Wipes, Canister	6 canisters; 100 wipes/canister



## GEL WARMERS

### Thermasonic® Gel Warmer

#### Ultimate patient comfort

The Thermasonic Gel Warmer evenly warms ultrasound gel to body temperature for comfortable application during obstetric and vascular Doppler examinations. The multi-bottle gel warmer with LCD display is a durable unit suitable for wall mounting or countertop use.

#### Features:

- Suitable for warming up to three 8.5oz (0.25l) bottles of gel or single use gel packs
- Powerful heating element uniformly heats bottles of gel
- Microprocessor control maintains constant temperature
- "Thermal cutoff" provides protection from overheating
- Hospital-grade plug and power cord
- High density, impact-resistant composite
- Adjustable temperature setting from 97°–109°F (36°–43°C) in 1° increments
- Illuminated power ON/OFF switch
- Low electrical demand
- LCD screen to display temperature



Part Number	Description	Dimensions	Weight	Quantity
222-515500	Gel Warmer, 110V	8.5" (22cm) x 4.5" (11cm) x 7.25" (18cm)	4lb (1.8kg)	1/pkg
222-515600	Gel Warmer, 220V	8.5" (22cm) x 4.5" (11cm) x 7.25" (18cm)	4lb (1.8kg)	1/pkg

## Sleep Supplies Solutions

Convenient, Complete, Trusted

Natus Neuro supports the **full spectrum** of Sleep care. From equipment, service and support to diagnostic supplies – we're with you **at every step**.

Our Sleep supplies are thoroughly tested to provide **reliable patient care**. With a complete portfolio of Sleep supplies, Natus provides **seamless solutions**.



Effort Belts • Gold Cup Electrodes • Adhesive Electrodes • Oximetry • Application Products



## Natus Starter Kits

EMG • EEG • IOM • Sleep

## EMG SUPPLIES STARTER KITS

018621 - EMG Supplies Starter Kit		Quantity
019-446700	Reusable Bipolar Bar Stimulating Electrode, 10mm stainless steel discs, 39" (1m), 1/pkg	1
698-621400	Velcro Straps, 1" (2cm) x 22" (55cm), 3/pkg	1
019-401200	Reusable Disc Ground Electrode, 30.5mm diameter, 30" (0.75m), 1/pkg	1
6030-TP	Reusable Stimulating/Recording Disc Electrodes, stainless steel, 10mm discs, twisted leads, 39" (1m), 1 pair/pkg	1
5032-TP	Reusable Stimulating/Recording Digital Ring Electrodes, stainless steel, 36" (1m), 1 pair/pkg	1
101169	Disposable Nutab Adhesive Electrodes, 10 sheets of 10 electrodes	1
101226	Disposable Care 310 Adhesive Ground Electrodes, 10 sheets of 10 electrodes	1
117-401900	Reusable Alligator-Clip Lead Wire Set, red, black, green, 49" (1.25m), 1 set/pkg	1
553153	TECA Elite Disposable Concentric Needle Electrode, Red, 1" (25mm) length, 0.30mm (30G) diameter, 1/pouch – 25/box	1
553156	TECA Elite Disposable Concentric Needle Electrode, Green, 1.5" (37mm) length, 0.46mm (26G) diameter, 1/pouch – 25/box	1
X21001	TECA Elite Concentric Needle Holder (Cable), 36" (0.9m), 1/pkg	1
902-DMF37-S	TECA Elite Disposable Monopolar Needle Electrode, Orange, 1.5" (37mm) length, 0.36mm (28G) diameter, 1/pouch – 48/box	1
902-SLC	TECA Elite Disposable Monopolar Needle Holder (Cable), 24" (61cm), 1/pkg	1

9013S0164 - EMG/NCS Supplies Starter Kit for Dantec System		Quantity
9013S0032	Dantec DCN Disposable Concentric Needle Electrodes, Blue, 1.5" (37mm) length, 0.46mm (26G), 1/pouch – 25/box	1
9013S0012	Dantec DCN Disposable Concentric Needle Electrodes, Orange, 1" (25mm) length, 0.30mm (30G), 1/pouch – 25/box	1
9013C0014	Dantec DCN Electrodes Needle Holder (Cable), 59" (1.5m), 5-pin DIN, 1/pkg	1
9013R0313	Disposable Stainless Steel Scalp Needle Electrodes, 0.4" (10mm) length, 0.03mm (30G) diameter, 0.7mm male touchproof, 40/pkg	1
9013L0362	Handheld Felt Pad Stimulating Electrode, 79" (2m), 5-pin DIN, 1/pkg	1
9013S0302	Reusable Digital Ring Electrode, 39" (1m), 5-pin DIN, 1/pkg	1
101169	Disposable Nutab Adhesive Electrodes, 10 sheets of 10 electrodes	1
9013C0232	HUSH Alligator-Clip Cable, 3 color-coded clips, 39" (1m), 5-pin DIN, 1/pkg	1
019-477600	Grass Reusable "Tangle Free" 10mm Gold EEG Stamped Cup Electrodes, 79" (2.0m), 12/pkg	1
1451020	3" Reusable Stackable Jumper/Linker Cables, 3" (8cm), 4/pkg	1
9013S0735	Reusable Ground Strap Electrode, 7" (18.5cm) Velcro strap length, 0.8" (20mm) width, 59" (1.5 m), 1/pkg	1
101917	3M Transpore Surgical Tape, 1" (2.5cm) width, 30' (9m) roll, 12/pkg	1
102340XL	SignaGel Electrode Gel, 8.5oz (250g) tube, 1/pkg	1
016-703700	Ten20 Conductive Paste, 8oz (228g) jar, 3/pkg	1
122-736100	NuPrep Skin Prep Gel, 4oz (114g) tube, 3/pkg	1
101432XL	Natus Retractable Measurement Tape, inches & centimeters, 1/pkg	1

9013S0182 - EMG Supplies Starter Kit for Dantec Clavis		Quantity
9013S0452	Bo-ject DHN Disposable Hypodermic Needle Electrodes, Gray, 2" (50mm) length, 0.46mm (26G) diameter, 35.5" (90cm), 1/pouch – 10/pack	1
9013S0442	Bo-ject DHN Disposable Hypodermic Needle Electrodes, Light Blue, 1.5" (37mm) length, 0.41mm (27G) diameter, 35.5" (90cm), 1/pouch – 10/pack	1
9013L0453	Disposable Pre-Gelled Surface Electrodes, 18.3" (46.5cm), 12/pkg	1



## EEG SUPPLIES STARTER KITS

018614 - Routine EEG Supplies Starter Kit		Quantity
F-E5GH-48	Genuine Grass Reusable 10mm Gold Cup Electrodes, 48" (122cm) wire, 10/box	3
1411003	Ten20 Conductive Paste, 4oz (114g) jar, 3/pkg	1
122-736100	NuPrep Skin Prep Gel, 4oz (114g) tube, 3/pkg	1
EM1	Sharpie Peel-Off China Electrode Placement Markers, Red, 12/pkg	1
101432XL	Natus Retractable Measurement Tape, inches & centimeters, 1/pkg	1
016-400800	Sterile Gauze Pads, 3" (7.6cm) square, 2/pouch, 50 pouches/pkg	1
102107	Cotton-tipped Applicator/Swab, 6" (15.2cm) wooden stick, 100/pkg	1
105808	Electrode Claw, 1/pkg	1
017517	Dermacea Stretch Bandage Rolls, Adult, 4" (10.2cm) wide, 12' (3.7m) roll, 12/pkg	1
020002	Dermacea Stretch Bandage Rolls, Pediatric, 3" (7.6cm) wide, 12' (3.7m) roll, 12/pkg	1

018615 - EEG ICU Supplies Starter Kit		Quantity
F-E5GH-48	Genuine Grass Reusable 10mm Gold Cup Electrodes, 48" (122cm) wire, 10/box	2
019-477200	Grass Disposable 10mm Ag/AgCl Cup Electrodes, 39" (1m) wire, 10/pkg	2
1411003	Ten20 Conductive Paste, 4oz (114g) jar, 3/pkg	1
122-736100	NuPrep Skin Prep Gel, 4oz (114g) tube, 3/pkg	1
025945	TENSIVE Conductive Adhesive Gel, 1.76oz (50g) tube, 12/pkg	1
EM1	Sharpie Peel-Off China Electrode Placement Markers, Red, 12/pkg	1
101432XL	Natus Retractable Measurement Tape, inches & centimeters, 1/pkg	1
016-400800	Sterile Gauze Pads, 3" (7.6cm) square, 2/pouch, 50 pouches/pkg	1
102107	Cotton-tipped Applicator/Swab, 6" (15.2cm) wooden stick, 100/pkg	1
105808	Electrode Claw, 1/pkg	1
017517	Dermacea Stretch Bandage Rolls, Adult, 4" (10.2cm) wide, 12' (3.7m) roll, 12/pkg	1
020002	Dermacea Stretch Bandage Rolls, Pediatric, 3" (7.6cm) wide, 12' (3.7m) roll, 12/pkg	1

018616 - EEG Ambulatory/LTM Supplies Starter Kit		Quantity
F-E5GH-60	Genuine Grass Reusable 10mm Gold Cup Electrodes, 60" (152cm) wire, 10/box	2
025945	TENSIVE Conductive Adhesive Gel, 1.76oz (50g) tube, 12/pkg	1
1411003	Ten20 Conductive Paste, 4oz (114g) jar, 3/pkg	1
122-736100	NuPrep Skin Prep Gel, 4oz (114g) tube, 3/pkg	1
EM1	Sharpie Peel-Off China Electrode Placement Markers, Red, 12/pkg	1
101432XL	Natus Retractable Measurement Tape, inches & centimeters, 1/pkg	1
102107	Cotton-tipped Applicator/Swab, 6" (15.2cm) wooden stick, 100/pkg	1
105808	Electrode Claw, 1/pkg	1
017517	Dermacea Stretch Bandage Rolls, Adult, 4" (10.2cm) wide, 12' (3.7m) roll, 12/pkg	1
020002	Dermacea Stretch Bandage Rolls, Pediatric, 3" (7.6cm) wide, 12' (3.7m) roll, 12/pkg	1

## IOM SUPPLIES STARTER KIT

018620 - IOM Supplies Starter Kit		Quantity
019-409000	Disposable 4-Disc Adhesive Electrode Set with Lead Wires Attached, 79" (2m), 15 sets/pkg	2
019-476800	Natus Ultra Disposable Stainless Steel Subdermal Needle Electrodes, 6-color, 59" (1.5m), 24/box	1
019-475700	Natus Disposable Twisted Pair Subdermal Needle Electrodes, 79" (2m), 12/pkg	1
017505	Disposable Corkscrew Electrodes, 6-color, 47" (1.2m), 24/pkg	1
019-422200	Disposable 2" x 4" Ground Plate Adhesive Electrode with Lead Wire Attached, 59" (1.5m), 24/box	1
122-736100	NuPrep Skin Prep Gel, 4oz (114g) tube, 3/pkg	1
101917	3M Transpore Surgical Tape, 1" (2.5cm) width, 30' (9m) roll, 12/pkg	1

## SLEEP SUPPLIES STARTER KITS

018617 - Sleep Supplies Starter Kit for Embla S4000/S4500 Systems		Quantity
F-E5GH-60	Genuine Grass Reusable 10mm Gold Cup Electrodes, 60" (152cm) wire, 10/box	2
1410505	Disposable Ag/AgCl Electrodes, Offset Snap Wet Gel, 1.9" (48mm) diameter, 25/pkg	1
444010	Disposable Ag/AgCl Electrodes, Adhesive Center Snap, 7/8" (22.2mm) square, 30/pkg	3
F-SL60	Reusable Snap Leads, 60" (1.5m) wire, 3/pkg	3
F-SL96	Reusable Snap Leads, 96" (2.4m) wire, 3/pkg	2
025945	TENSIVE Conductive Adhesive Gel, 1.76oz (50g) tube, 12/pkg	1
1411003	Ten20 Conductive Paste, 4oz (114g) jar, 3/pkg	1
122-736100	NuPrep Skin Prep Gel, 4oz (114g) tube, 3/pkg	1
101432XL	Natus Retractable Measurement Tape, inches & centimeters, 1/pkg	1
103825	Non-sterile Gauze Pads, 2" (5.1cm) square, 200/pkg	1
102107	Cotton-tipped Applicator/Swab, 6" (15.2cm) wooden stick, 100/pkg	1
EM3	Sharpie Peel-Off China Electrode Placement Markers, Blue, 12/pkg	1
1420435*	Single Channel Oral/Nasal Thermistor, Adult, 78" (200cm), Embla/key connectors, 1/pkg	1
1420605*	Piezo Snore Sensor, 78" (200cm), Embla/key connectors, 1/pkg	1
1420013	Nasal Cannula, Adult, 71" (181cm), 50/pkg	1
011518	XactTrace Pre-sized, Single Use, RIP Belts, Medium, 20/box (10 packs of 2)	1
013224	XactTrace Reusable Snap Sensors, Abdomen, 78" (200cm), yellow 2-pin key, 1/pkg	1
013225	XactTrace Reusable Snap Sensors, Thorax, 78" (200cm), blue 2-pin key, 1/pkg	1
1431002	Nonin PureLight Reusable FlexSensor, Adult, 9.3' (3m), 1/pkg	1
1431500	Nonin Disposable FlexiWrap Adhesive Sensors, Adult, 25/pkg	1
1420117	CPAP Pressure Tube, 23.6" (60cm), 1/pkg	1

018618 - Sleep Supplies Starter Kit for Embla N7000 System		Quantity
F-E5GH-60	Genuine Grass Reusable 10mm Gold Cup Electrodes, 60" (152cm) wire, 10/box	3
1410505	Disposable Ag/AgCl Electrodes, Offset Snap Wet Gel, 1.9" (48mm) diameter, 25/pkg	5
444010	Disposable Ag/AgCl Electrodes, Adhesive Center Snap, 7/8" (22.2mm) square, 30/pkg	5
F-SL60	Reusable Snap Leads, 60" (1.5m) wire, 3/pkg	1
1411530	Reusable Snap Lead Pairs, White, 120" (3m), 2/pkg	1
1411535	Reusable Snap Lead Pairs, Black, 120" (3m), 2/pkg	1
1411524	Reusable Snap Lead Pairs, Orange, 78" (2m), 2/pkg	1
025945	TENSIVE Conductive Adhesive Gel, 1.76oz (50g) tube, 12/pkg	1
1411003	Ten20 Conductive Paste, 4oz (114g) jar, 3/pkg	1
122-736100	NuPrep Skin Prep Gel, 4oz (114g) tube, 3/pkg	1
101432XL	Natus Retractable Measurement Tape, inches & centimeters, 1/pkg	1
103825	Non-sterile Gauze Pads, 2" (5.1cm) square, 200/pkg	1
102107	Cotton-tipped Applicator/Swab, 6" (15.2cm) wooden stick, 100/pkg	1
EM3	Sharpie Peel-Off China Electrode Placement Markers, Blue, 12/pkg	1
1420430*	Single Channel Oral/Nasal Thermistor Airflow Sensor, Adult, 38" (96cm) Embla/key connectors, 1/pkg	1
1420600*	Piezo Snore Sensor, 23.5" (60cm), Embla/key connectors, 1/pkg	1
1420002	Nasal Cannula, Adult, 15" (38cm), 50/pkg	1
011518	XactTrace Pre-sized, Single Use, RIP Belts, Medium, 20/box (10 packs of 2)	1
011521	XactTrace Reusable Snap Sensors, Abdomen, 26" (66cm), yellow 2-pin key, 1/pkg	1
011522	XactTrace Reusable Snap Sensors, Thorax, 26" (66cm), blue 2-pin key, 1/pkg	1
1420116	CPAP Pressure Tube, 23.6" (60cm), 1/pkg	1
1431000	Nonin PureLight Reusable FlexSensor, Adult, 3' (1m), 1/pkg	1
1431500	Nonin Disposable FlexiWrap Adhesive Sensors, Adult, 25/pkg	1

021822 - Sleep Supplies Starter Kit with Reusable XactTrace for Embla S4000/S4500		Quantity
F-E5GH-60	Genuine Grass Reusable 10mm Gold Cup Electrodes, 60" (152cm) wire, 10/box	2
1410505	Disposable Ag/AgCl Electrodes, Offset Snap Wet Gel, 1.9" (48mm) diameter, 25/pkg	1
444010	Disposable Ag/AgCl Electrodes, Adhesive Center Snap, 7/8" (22.2mm) square, 30/pkg	1
F-SL60	Reusable Snap Leads, 60" (1.5m) wire, 3/pkg	3
F-SL96	Reusable Snap Leads, 96" (2.4m) wire, 3/pkg	2
025945	TENSIVE Conductive Adhesive Gel, 1.76oz (50g) tube, 12/pkg	1
1411003	Ten20 Conductive Paste, 4oz (114g) jar, 3/pkg	1
122-736100	NuPrep Skin Prep Gel, 4oz (114g) tube, 3/pkg	1
101432XL	Natus Retractable Measurement Tape, inches & centimeters, 1/pkg	1
103825	Non-sterile Gauze Pads, 2" (5.1cm) square, 200/pkg	1
102107	Cotton-tipped Applicator/Swab, 6" (15.2cm) wooden stick, 100/pkg	1
EM3	Sharpie Peel-Off China Electrode Placement Markers, Blue, 12/pkg	1
1420435*	Single Channel Oral/Nasal Thermistor, Adult, 78" (200cm), Embla/key connectors, 1/pkg	1
1420605*	Piezo Snore Sensor, 78" (200cm), Embla/key connectors, 1/pkg	1
1420013	Nasal Cannula, Adult, 71" (181cm), 50/pkg	1
1421038	XactTrace Reusable Belt, Medium Thorax, 78" (2m) cable length, Embla/key connectors, 1/pkg	1
1421039	XactTrace Reusable Belt, Medium Abdomen, 78" (2m) cable length, Embla/key connectors, 1/pkg	1
1431002	Nonin PureLight Reusable FlexSensor, Adult, 9.3' (3m), 1/pkg	1
1431500	Nonin Disposable FlexiWrap Adhesive Sensors, Adult, 25/pkg	1
1420117	CPAP Pressure Tube, 23.6" (60cm), 1/pkg	1

021823 - Sleep Supplies Starter Kit with Reusable XactTrace for Embla N7000		Quantity
F-E5GH-60	Genuine Grass Reusable 10mm Gold Cup Electrodes, 60" (152cm) wire, 10/box	3
1410505	Disposable Ag/AgCl Electrodes, Offset Snap Wet Gel, 1.9" (48mm) diameter, 25/pkg	5
444010	Disposable Ag/AgCl Electrodes, Adhesive Center Snap, 7/8" (22.2mm) square, 30/pkg	1
F-SL60	Reusable Snap Leads, 60" (1.5m), 3/pkg	1
1411524	Reusable Snap Lead Pairs, Orange, 78" (2m), 2/pkg	1
1411530	Reusable Snap Lead Pairs, White, 120" (3m), 2/pkg	1
1411535	Reusable Snap Lead Pairs, Black, 120" (3m), 2/pkg	1
025945	TENSIVE Conductive Adhesive Gel, 1.76oz (50g) tube, 12/pkg	1
1411003	Ten20 Conductive Paste, 4oz (114g) jar, 3/pkg	1
122-736100	NuPrep Skin Prep Gel, 4oz (114g) tube, 3/pkg	1
101432XL	Natus Retractable Measurement Tape, inches & centimeters, 1/pkg	1
103825	Non-sterile Gauze Pads, 2" (5.1cm) square, 200/pkg	1
102107	Cotton-tipped Applicator/Swab, 6" (15.2cm) wooden stick, 100/pkg	1
EM3	Sharpie Peel-Off China Electrode Placement Markers, Blue, 12/pkg	1
1420430*	Single Channel Oral/Nasal Thermistor Airflow Sensor, Adult, 38" (96cm) Embla/key connectors, 1/pkg	1
1420600*	Piezo Snore Sensor, 23.5" (60cm), Embla/key connectors, 1/pkg	1
1420002	Nasal Cannula, Adult, 15" (38cm), 50/pkg	1
1421035	XactTrace Reusable Belt, Medium Thorax, 15.7" (40cm), cable length, Embla/key connectors, 1/pkg	1
1421034	XactTrace Reusable Belt, Medium Abdomen, 27.5" (70cm), cable length, Embla/key connectors, 1/pkg	1
1420116	CPAP Pressure Tube, 23.6" (60cm), 1/pkg	1
1431000	Nonin PureLight Reusable FlexSensor, Adult, 3' (1m), 1/pkg	1
1431500	Nonin Disposable FlexiWrap Adhesive Sensors, Adult, 25/pkg	1

\*Not for sale in Canada

## SLEEP SUPPLIES STARTER KITS

018619 - Sleep Supplies Starter Kit for Non-Embla Systems		Quantity
F-E5GH-60	Genuine Grass Reusable 10mm Gold Cup Electrodes, 60" (152cm) wire, 10/box	3
1410500	Disposable Ag/AgCl Electrodes, Adhesive Center Snap Dry Gel, 1-7/8" (48mm) circular, 30/pkg	1
444010	Disposable Ag/AgCl Electrodes, Adhesive Center Snap, 7/8" (22.2mm) square, 30/pkg	3
F-SL60	Reusable Snap Leads, 60" (1.5m) wire, 3/pkg	3
F-SL96	Reusable Snap Leads, 96" (2.4m) wire, 3/pkg	2
025945	TENSIVE Conductive Adhesive Gel, 1.76oz (50g) tube, 12/pkg	1
1411003	Ten20 Conductive Paste, 4oz (114g) jar, 3/pkg	1
122-736100	NuPrep Skin Prep Gel, 4oz (114g) tube, 3/pkg	1
101432XL	Natus Retractable Measurement Tape, inches & centimeters, 1/pkg	1
103825	Non-sterile Gauze Pads, 2" (5.1cm) square, 200/pkg	1
102107	Cotton-tipped Applicator/Swab, 6" (15.2cm) wooden stick, 100/pkg	1
EM3	Sharpie Peel-Off China Electrode Placement Markers, Blue, 12/pkg	1
1401G-H*	Single Channel Oral/Nasal Thermocouple Airflow Sensor for Cannula, Adult, 78" (200cm), 1.5mm touchproof connectors	1
1420610*	Piezoelectric Snore Sensor, 78" (200cm), 1.5mm touchproof connectors, 1/pkg	1
4140094*	AC Pressure Flow/Snore Sensor, 8" (20.3cm), 1.5mm touchproof connectors, 1/pkg	1
1420013	Nasal Cannula, Adult, 71" (181cm), 50/pkg	1
011518	XactTrace Pre-sized, Single Use, RIP Belts, Medium, 20/box (10 packs of 2)	1
011521	XactTrace Snap Sensor, Abdomen, 26" (66cm), yellow 2-pin connectors, 1/pkg	1
011522	XactTrace Snap Sensor, Thorax, 16" (41cm), blue 2-pin connectors, 1/pkg	1
1421048	XactTrace RIP Processor Sensor, Abdomen, 78" (200cm), 1.5mm touchproof connectors, 1/pkg	1
1421047	XactTrace RIP Processor Sensor, Thorax, 78" (200cm), 1.5mm touchproof connectors, 1/pkg	1
1420117	CPAP Pressure Tube, 23.6" (60cm), 1/pkg	1

021825 - Sleep Supplies Starter Kit with Reusable XactTrace for Non-Embla Systems		Quantity
F-E5GH-60	Genuine Grass Reusable 10mm Gold Cup Electrodes, 60" (152cm) wire, 10/box	3
1410505	Disposable Ag/AgCl Electrodes, Offset Snap Wet Gel, 1.9" (48mm) diameter, 25/pkg	2
444010	Disposable Ag/AgCl Electrodes, Adhesive Center Snap, 7/8" (22.2mm) square, 30/pkg	2
F-SL60	Reusable Snap Leads, 60" (1.5m) wire, 3/pkg	3
F-SL96	Reusable Snap Leads, 96" (2.4m) wire, 3/pkg	2
025945	TENSIVE Conductive Adhesive Gel, 1.76oz (50g) tube, 12/pkg	1
1411003	Ten20 Conductive Paste, 4oz (114g) jar, 3/pkg	1
122-736100	NuPrep Skin Prep Gel, 4oz (114g) tube, 3/pkg	1
101432XL	Natus Retractable Measurement Tape, inches & centimeters, 1/pkg	1
103825	Non-sterile Gauze Pads, 2" (5.1cm) square, 200/pkg	1
102107	Cotton-tipped Applicator/Swab, 6" (15.2cm) wooden stick, 100/pkg	1
EM3	Sharpie Peel-Off China Electrode Placement Markers, Blue, 12/pkg	1
1401G-H*	Single Channel Oral/Nasal Thermocouple Airflow Sensor for Cannula, Adult, 78" (200cm), 1.5mm touchproof connectors	1
1420610*	Piezoelectric Snore Sensor, 78" (200cm), 1.5mm touchproof connectors, 1/pkg	1
4140094*	AC Pressure Flow/Snore Sensor, 8" (20.3cm), 1.5mm touchproof connectors, 1/pkg	1
1420013	Nasal Cannula, Adult, 71" (181cm), 50/pkg	1
1421091	XactTrace Universal Kit - Complete, 1.5mm touch proof connectors, 1/pkg	1
1420117	CPAP Pressure Tube, 23.6" (60cm), 1/pkg	1

012643 - Sleep Supplies Starter Kit for Embletta MPR ST+ Proxy		Quantity
019-417600	Reusable Tangle Free" 10mm Ag/AgCl Cup Electrodes, 39" (1.0m) wire, 12/pkg	2
1410500	Disposable Ag/AgCl Electrodes, Adhesive Center Snap Dry Gel, 1-7/8" (48mm) circular, 30/pkg	2
F-SL48	Reusable Snap Leads, 48" (1.2m) wire, 3/pkg	2
1411541	Reusable Snap Leads, 24" (0.6m), Red, 1/pkg	1
1411542	Reusable Snap Leads, 29.5" (0.75m), Black, 1/pkg	1
1411548	Reusable Snap Leads, 24" (0.6m), Green, 1/pkg	1
122-736100	NuPrep Skin Prep Gel, 4oz (114g) tube, 1/pkg	1
EM3	Sharpie Peel-Off China Electrode Placement Markers, Blue, 12/pkg	1
101432XL	Natus Retractable Measurement Tape, inches & centimeters, 1/pkg	1
103825	Non-sterile Gauze Pads, 2" (5.1cm) square, 200/pkg	1
016-703000	Alcohol Pads, 1.25" (3.18cm) x 2.5" (6.35cm), 200/pkg	1
102107	Cotton-tipped Applicator/Swab, 6" (15.2cm) wooden stick, 100/pkg	1
123-723900	3M Micropore Surgical Tape, 1" (2.5cm) wide, 30' (9m) roll, 12/pkg	1

\*Not for sale in Canada



## Natus Neuro Training Academy

[neuro.natus.com/academy](https://neuro.natus.com/academy)

An online portal dedicated to educational programs and resources to support the use and optimization of Natus products.



Live and Recorded  
E-Seminars



In-House Clinical and  
IT/Biomedical Training



Comprehensive  
Clinical Library

**E-Seminars** – Natus offers live online courses facilitated by Natus Clinical Application Specialists. Courses include system training and clinical and software operations in a wide range of modalities and applications. Explore our library of past events.

**Natus System Training** – Natus' Technical Support team hosts system support training courses for IT and biomedical professionals. These courses focus on system operation and the knowledge, resources and tools to effectively maintain and troubleshoot Natus products.

**Natus Clinical Training** – Natus Clinical Specialists work with medical societies to provide courses in a variety of Natus Neurology modalities. Some courses are eligible for continuing education credits. Courses range from basic to advanced functions.

**Clinical Site Training** – Natus partners with clinical sites, distributors and industry leading key opinion leaders to host clinical training at various sites throughout the year. This premier, high-level training provides advanced learning opportunities for clinicians.

## Unparalleled Service & Support

Excellence in customer service and support is a core value held throughout the entire company. We work cooperatively to develop long-term relationships with our customers to provide products, tools and services for clinical excellence.

Our Technical Support organization is focused, agile and committed to serving healthcare professionals worldwide. Providing our customers more time to care for their patients is our goal. Customer loyalty is our reward.

At Natus Neuro, we know that the performance of our service organization is as important to meeting clinical needs as the quality of our products. We are here to serve you, our valued customers.

Our dedicated field service team assists with on-site installation and repair of your Natus equipment. Our expansive support team includes over 100 Technical Support and Field Service Representatives.

### Natus Neuro Essential Support Elements

- Accessible and effective Technical Support
- Definitive technical documentation and knowledgeable installation team
- Excellent replacement unit or spare part availability
- Extended warranty and service coverage programs
- Comprehensive, flexible and regular customer training courses

## Training & Education

We believe that educational and continued support are essential to our partnership. We are committed to supporting you with the depth and breadth of our clinical knowledge.



### Natus Neuro Training Academy

The Neuro Training Academy is a platform focused on educational programs to better support customers in the use and optimization of Natus products. Our team of experts includes physicians, clinical application specialists, engineers and other skilled professionals with years of experience in a wide range of modalities, including neurodiagnostics, neurocritical care and neurosurgery.

The NTA brings a full schedule of online and on-site events, located at our global training center locations. An extensive library of clinical information by modality is also available.

#### Training Center Locations:

- Middleton, Wisconsin, US
- Munich, Germany

Visit [neuro.natus.com/academy](https://neuro.natus.com/academy) to learn more!

Natus Terms & Conditions Apply. See our website [neuro.natus.com/terms-conditions](https://neuro.natus.com/terms-conditions). All products may not be available in all distribution centers.

## US & Canada Ordering Information

US and Canadian Customers call Customer Service at 1-800-356-0007.

Email: [supplies.nc@natus.com](mailto:supplies.nc@natus.com)

Order Entry Fax: 608.829.8709

Toll Free: 800.356.0007

Our Customer Service Department is here to answer questions and take your orders Monday through Friday from 8 am to 5 pm CST. We can be reached toll-free at 1-800-356-0007 or 608-829-8500.

Place your order by fax, email or online via the Natus Neuro Store (US customers only). Please include your phone number on the order so we may contact you if there are questions concerning your order. Fax or e-mail orders may be placed 24 hours a day.

### Delivery

We prepay and add shipping charges to orders. Most orders are shipped UPS Ground unless you instruct otherwise. Overnight or second day delivery is available for an additional charge.

### Sales Tax

We are required by law to collect all applicable state and local sales taxes. A valid tax exemption certificate is required to avoid applicable fees, and should be provided at time of order.

### Damages in Shipment

Despite our best efforts, items may occasionally be damaged in transit. Freight carriers are liable for damages only when damage is indicated on the bill of lading before you sign for shipment. Therefore, we recommend that you inspect the outside and contents of all cartons received. If any damage is found, write details on the bill of lading and ask the delivery carrier to make an inspection immediately. Per ICC regulations, it is the responsibility of the consignee to file a damage claim with the carrier promptly after inspection. For assistance and replacement information, contact our Customer Service Department.

### New Products

We are always looking to expand our product line. If there are supplies you use, but don't find in our catalog, please let us know and we will attempt to provide them. Our goal is to become your primary source for quality electrodes and supplies. Thank you for ordering from Natus Neuro.

## International Ordering Information

Natus Neuro maintains a network of representative distribution companies in countries throughout the world. For sales, service or support please contact your local distributor. To find your local distributor go to our website [www.natus.com](http://www.natus.com) and look under the Contact Tab and then Natus Worldwide.

Natus International office locations:

### Natus Medical Incorporated

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Middleton, WI US 53562

Email: [GMB-IntlOrdersNC@natus.com](mailto:GMB-IntlOrdersNC@natus.com)

Tel: +1 608-829-8500

Fax: +1 608-829-8770

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Tel: +49 89 83942-531

Fax: +49 89 83942-777

### Natus France

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Le Bouscat, France

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Tel: +33 5 56 08 54 76

Fax: +33 5 56 42 27 62

### Natus Australia/New Zealand

Natus Medical Australia Pty Ltd

Level 1 Unit 4 Avenue of the Americas

Newington NSW 2127, Australia

Email: [orders.anz@natus.com](mailto:orders.anz@natus.com)

Freecall: 1800 290 772

Natus Terms & Conditions Apply. See our website [neuro.natus.com/terms-conditions](http://neuro.natus.com/terms-conditions).

All products may not be available in all distribution centers.

## Contact Your Natus Supplies Sales Professional

Call **1-800-356-0007** and ask to speak with your Natus Supplies Sales Professional. We offer specialized, regionally-based, sales support for your supply needs.

- Respond knowledgeably to your EMG, EEG, EP, IOM and Sleep supply questions
- Research your product requirement and provide custom proposals
- Provide a convenient, one-stop shopping experience

# ORDERING INFORMATION

## US ORDER FORM

Simply copy this form as needed and follow the ordering information below.

Date: \_\_\_\_\_ Is SHIP TO same as BILL TO?  Yes  No

**BILL TO:** \_\_\_\_\_ **SHIP TO:** \_\_\_\_\_

Name: \_\_\_\_\_ Name: \_\_\_\_\_

Street: \_\_\_\_\_ Street: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

P.O. # \_\_\_\_\_ Method of payment: **\*Please make check payable to Natus Medical Incorporated.**  
 Open Account  Check\*  Credit Card

Customer Contact: \_\_\_\_\_ Dept: \_\_\_\_\_ If you would like to pay by credit card, please provide a contact number. We will contact you to secure your payment.

Phone Number \_\_\_\_\_ Contact Number \_\_\_\_\_

For Instrument Model and Series: \_\_\_\_\_

Fax # or e-mail address for confirmation: \_\_\_\_\_

Is your facility tax exempt?  No  Yes Please provide a copy of the exempt certificate with this completed form

Product #	Description	Quantity	Cost Each	Total
Taxes				
Shipping**				
Grand Total				

\*\*Shipping and handling are prepaid and added to invoice

### Call in order

**Toll Free: 1-800-356-0007**  
Monday through Friday  
8 am to 5 pm (CST)

### Fax or e-mail order

**24 hours a day, 7 days a week**  
Fax: 608-829-8709  
Email: [supplies.nc@natus.com](mailto:supplies.nc@natus.com)

### Mail in order

**Natus Medical Incorporated**  
P.O. Box 44994  
Madison, WI 53744-4994  
Attention: Customer Service Department

#### Customer Order Processing

To check on your order, call our Customer Service Department toll free: 1-800-356-0007. We are happy to answer your questions about your order or our products. Customer Service Representatives are available Monday through Friday 8 am to 5 pm (CST).

Natus Terms & Conditions Apply. See our website [neuro.natus.com/terms-conditions](http://neuro.natus.com/terms-conditions). All products may not be available in all distribution centers.





## PART NUMBER INDEX

Part Number	Description	Page	Part Number	Description	Page	Part Number	Description	Page
005031	Protector32 LED Goggles	31	018618	Sleep Supplies Starter Kit for Embla N7000 System	92	023413	Essential EDX: Volume II, Interstitial and Spontaneous Activity	26
005032	Protector32 Headphones	31	018619	Sleep Supplies Starter Kit for Non-Embla Systems	93	023414	Institutional License for Teaching Institutes	26
005562	Tubal Insert Phones (TIPs) Kit, Protector32	28	018620	IOM Supplies Starter Kit	91	024065	NuPrep Skin Prep Gel, 1oz Tube	83
005732	Piezo Resp Effort Sensor, Infant, Beltless	61	018621	EMG Supplies Starter Kit	90	024066	Ten20 Conductive Paste, 2oz Tube	82
005890	Ultima Thermister Airflow Sensor, Adult	65	019965	Natus Disposable Subdermal Needle Electrodes, Twisted Pair, 2.5mm	47	024351	InVisus SLP Ultrasound Base with fixed Linear Probe 5-12.5MHz	14
008776	Masimo LNCS Patient Cable	73	020002	Dermaacea Stretch Bandage Rolls, Pediatric	85, 91	024362	InVisus EXP Ultrasound Base (no probe)	14
008777	Masimo LNCS Soft Sensor	73	020324	Female to Female Luer Lock Adapter	76	024363	PR51 Linear Probe 10-18MHz, 192 Elements	14
008781	Masimo LNCS Adhesive Sensor w/Cable, Adult	73	021110	23-channel waveguard original cap, Infant	38	024364	PR52 Linear Probe 6-18MHz, 256 Elements	14
008782	Masimo LNCS Adhesive Sensor w/Cable, Pediatric	73	021112	23-channel waveguard original cap, Child	38	026040	TENSIVE Conductive Adhesive Gel, 12/pkg	82
008783	Masimo LNCS Adhesive Sensor w/Cable, Infant	73	021113	23-channel waveguard original cap, Small	38	026450	PVDF Sensor - Double Buckle	59
008784	Masimo LNCS Finger Clip Sensor, Adult	73	021114	23-channel waveguard original cap, Medium	38	026451	Replacement Double-Buckle Effort Belt	59
008785	Masimo LNCS Finger Clip Sensor, Pediatric	73	021115	23-channel waveguard original cap, Large	38	026452	Ultima cTherm Cannula Thermistor Airflow Temperature Sensor, Touchproof Connector	64
008786	Masimo LNCS Y-I Multisite Sensor	73	021116	64-channel waveguard original cap, Baby	38	026453	Ultima cTherm Cannula Thermistor Airflow Temperature Sensor, Key Connector	64
9131	RIP Interface Cable, Abdomen, Grass Key	58	021117	64-channel waveguard original cap, Infant	38	026454	BreathSensor Cable, Touchproof Connector	64
9132	RIP Interface Cable, Chest, Grass Key	58	021118	64-channel waveguard original cap, Child	38	026455	Ultima Body Position Sensor	70
10250	Tubal Insert Phones (TIPs) Kit, Xltek	28	021119	64-channel waveguard original cap, Small	38	026456	Ultima Q-Snor Kit	67
11224	Jumper/Linker Cable, 24"	43	021120	64-channel waveguard original cap, Medium	38	026458	Ultima Snore Sensor	66
11250	Jumper/Linker Cable, 18"	43	021121	64-channel waveguard original cap, Large	38	026459	Two 1.5mm Female safety connectors to Male Key Connector	80
011291	Nonin Xpod Oximeter, Embletta MPR	71	021122	Chin strap for waveguard head caps	38, 39	026460	FastTrack Disposable Respiratory Effort System Pediatric, Touchproof Connector	59
011516	XactTrace Pre-sized Single Use Belt, Pediatric	56, 57	021123	Fastfix for waveguard original cap, Touchproof Connector	38	026461	FastTrack Disposable Respiratory Effort System Adult, Touchproof Connector	59
011517	XactTrace Pre-sized Single Use Belt, Small	56, 57	021124	Chin strap for waveguard head caps	38, 39	026462	FastTrack Disposable Respiratory Effort System Pediatric, Key Connector	59
011518	XactTrace Pre-sized Single Use Belt, Medium	56, 57, 92, 93	021125	Blunted Needle 13 mm, Luer Lock	38, 39	026463	FastTrack Disposable Respiratory Effort System Adult, Key Connector	59
011520	XactTrace Pre-sized Single Use Belt, Large	56, 57	021126	Syringe, 10ml, Luer Lock, for gel application	38, 39	026464	FastTrack Replacement Belt/Sensor Pack, Pediatric, Touchproof Connector, 1 Pack of 2	59
011521	XactTrace Snap Sensor for Pre-sized Single Use Belt, Abdomen	56, 57, 92, 93	021127	Chest belt for waveguard head cap	38, 39	026465	FastTrack Replacement Belt/Sensor Pack, Pediatric, Touchproof Connector, 20 Pack/Box	59
011522	XactTrace Snap Sensor for Pre-sized Single Use Belt, Thorax	56, 57, 92, 93	021128	Adapter for waveguard connect head caps; waveguard connect head cap repair kit	39	026466	FastTrack Replacement Belt/Sensor Pack, Pediatric, Touchproof Connector, 40 Pack/Box	59
012643	Sleep Supplies Starter Kit for Embletta MPR ST+ Proxy	93	021130	21-channel waveguard connect cap, Large	39	026467	FastTrack Replacement Belt/Sensor Pack, Adult, Touchproof Connector, 1 Pack of 2	59
013224	XactTrace Snap Sensor Cable, Abdomen	57, 92	021132	21-channel waveguard connect cap, Medium	39	026468	FastTrack Replacement Belt/Sensor Pack, Adult, Touchproof Connector, 20 Pack/Box	59
013225	XactTrace Snap Sensor Cable, Thorax	57, 92	021133	21-channel waveguard connect cap, Small	39	026469	FastTrack Replacement Belt/Sensor Pack, Adult, Touchproof Connector, 40 Pack/Box	59
013400	Nonin Xpod Sensor Belt Clip	71	021134	21-channel waveguard connect cap, Child	39	026470	FastTrack Touchproof Connector interface	59
14832	DC Pressure/AC Snore Sensor, Grass Key	68	021135	21-channel waveguard connect cap, Infant	39	026471	FastTrack Key Connector interface	59
15809	Disposable Cannula Filter	76	021136	21-channel waveguard connect cap, Baby	39	026472	Perfect Fit3D Sensors/Effort Belt Strap, Touchproof Connector	60
017125	Protex Ultra Disinfectant Wipe - Canister	86	021304	23-channel waveguard original cap, Baby	38	026473	Perfect Fit3D Sensors/Effort Belt Strap, Touchproof Connector, Adult, SUM	60
017429	MR Conditional Cup Electrodes, Disposable	37	021822	Sleep Supplies Starter Kit with Reusable XactTrace for Embla S4000/S4500	92	026474	Perfect Fit3D Sensors/Effort Belt Strap, Key Connector, Embla	60
017430	MR Conditional Cup Electrodes, Disposable	37	021823	Sleep Supplies Starter Kit with Reusable XactTrace for Embla N7000	92	026475	Perfect Fit3D Sensors/Effort Belt Strap, Key Connector, Embla N7000	60
017431	MR Conditional Cup Electrodes, Disposable	37	021825	Sleep Supplies Starter Kit with Reusable XactTrace for Non-Embla Systems	93	026476	Perfect Fit3D Replacement Effort Belt Sensor, Abdomen, Touchproof Connector	60
017432	MR Conditional Cup Electrodes, Disposable	37	022107	Disposable Adhesive Electrode, Round, Center Snap	77	026477	Perfect Fit3D Replacement Effort Belt Sensor, Chest, Touchproof Connector	60
017433	MR Conditional Deep Cup Electrodes, Disposable	37	022108	Disposable Adhesive Electrode, Square, Center Snap	77	026478	Perfect Fit3D Replacement Effort Belt Sensor, Abdomen, Touchproof Connector, SUM	60
017434	MR Conditional Deep Cup Electrodes, Disposable	37	022212	BraiNet Template, Original, Adult/Child, 46-54cm	41	026479	Perfect Fit3D Replacement Effort Belt Sensor, Chest, Touchproof Connector, SUM	60
017435	MR Conditional Deep Cup Electrodes, Disposable	37	022213	BraiNet Template, Original, Adult/Child, 54-62cm	41	026480	Perfect Fit3D Replacement Effort Belt Sensor, Abdomen, Embla, Key Connector	60
017436	MR Conditional Deep Cup Electrodes, Disposable	37	022343	Body Positioning Pod, 3D Type	70	026481	Perfect Fit3D Replacement Effort Belt Sensor, Chest, Embla, Key Connector	60
017437	MR Conditional LeadLock Organizer	37	023045	Lantern Laryngeal Electrode, 8/9mm	49	026482	Perfect Fit3D Replacement Effort Belt Sensor, Abdomen, Embla N7000, Connector	60
017438	MR Conditional PressOn Electrodes, Disposable	37	023046	Lantern Laryngeal Electrode, 6/7mm	49	026483	Perfect Fit3D Replacement Effort Belt Sensor, Chest, Embla N7000, Key Connector	60
017439	MR Conditional PressOn Electrodes, Disposable	37	023047	Lantern Laryngeal Electrode, 4/5mm	49	026484	Perfect Fit3D Replacement Effort Belt Strap, 50 yard roll	60
017440	MR Conditional PressOn Electrodes, Disposable	37	023048	Reusable connection cable	49	026485	Perfect Fit3D Replacement Effort Belt Strap, Five 50 yard rolls	60
017441	MR Conditional PressOn Electrodes, Disposable	37	022390	waveguard Quantum adapter	38	026486	AccuSnore Disposable Snore Sensor, Large, 10/pkg	66
017501	Value Line Disposable Deep-Cup Electrodes	36	023121	ThermoCan Interface Cable, Touchproof Connector	63	026487	AccuSnore Disposable Snore Sensor, Large, 50/pkg	66
017502	Value Line Disposable Deep-Cup Electrodes	36	023122	ThermoCan Interface Cable, Key Connector	63	026488	AccuSnore Disposable Snore Sensor Reusable Interface Cable	66
017503	Value Line Disposable Deep-Cup Electrodes	36	023123	ThermoCan Thermal Cannula, Pediatric	63	026489	Disposable Adhesive Chin EMG Electrode with Lead Wire Attached	77
017504	Value Line Disposable Deep-Cup Electrodes	36	023124	ThermoCan Thermal Cannula, Pediatric	63	026498	Disposable Adhesive Dual Leg EMG Snap Electrode	77
017506	Twisted Pair Corkscrew Electrodes, Disposable	48	023146	Grass Disposable EEG Deep-Cup Electrodes	36	026499	FM2 TriplePlay Airflow Disposable Sensor Cable, Touchproof Connector	65
017507	Ball Tip Direct Nerve Stimulator Probe, Disposable	50	023147	Grass Disposable EEG Deep-Cup Electrodes	36	026500	FM2 TriplePlay Airflow Disposable Sensor Cable, Key Connector	65
017508	Concentric Direct Nerve Stimulator Probe - Adjustable Tip, Disposable	50	023149	Grass Disposable EEG Deep-Cup Electrodes	36	026501	FM2 TriplePlay Airflow Disposable Sensor, Neonate, 10/pkg	65
017509	Bipolar Direct Nerve Stimulator Probe, Disposable	50	023400	Volume I: Electronic Myoanatomic Atlas for Clinical Electromyography	26			
017510	Flush Tip Direct Nerve Stimulator Probe, Disposable	50	023401	Volume II: Electronic Atlas of Electromyographic Waveforms	26			
017511	Monopolar Direct Nerve Stimulator Probe, Disposable	50	023402	Volume III: Sensory Nerve Conduction Studies	26			
017512	Right Angle Double Hook Probe, Disposable	51	023403	Volume IV: Motor Nerve Conduction Study and Late Responses	26			
017513	Double Hook Nerve Stimulator Probe - 100 degree, Disposable	51	023404	Volume V: Basic Nerve Conduction Studies	26			
017514	Triple Hook Nerve Stimulator Probe - 100 degree, Disposable	51	023405	Volume VI: Electrodiagnostic Evaluation of the Foot	26			
017515	Value Line Ground Plate Electrodes with Lead, Disposable	17	023406	Volume VII: Electrodiagnostic Evaluation of Ulnar Neuropathy	26			
017516	Value Line 4-Disc Electrode Set with Leads, Disposable	16	023407	Volume VIII: Uncommon Nerve Conduction Studies	26			
017517	Dermaacea Stretch Bandage Rolls, Adult	85, 91	023408	Volume IX: Electrodiagnostic Evaluation of Carpal Tunnel Syndrome	26			
018614	Routine EEG Supplies Starter Kit	91	023409	Volume X: Single Fiber Electromyography	26			
018615	EEG ICU Supplies Starter Kit	91	023410	Volume XI: Basic Evoked Potentials	26			
018616	EEG Ambulatory/LTM Supplies Starter Kit	91	023411	Volume XII: Repetitive Nerve Stimulation	26			
018617	Sleep Supplies Starter Kit for Embla S4000/S4500 Systems	92	023412	Essential EDX: Volume I. Instrumentation: Principles and Practice	26			

## PART NUMBER INDEX

Part Number	Description	Page	Part Number	Description	Page	Part Number	Description	Page
026502	FM2 TriplePlay Airflow Disposable Sensor, Neonate, 50/pkg	65	105593	Nonin Soft Sensor, Large, 3m	71	1420129	ThermiSense Sensor Kit, Adult	65
026503	FM2 TriplePlay Airflow Disposable Sensor, Infant, 10/pkg	65	105750	CannuTherm Replacement Cannula	63	1420218	Double CPAP pressure tube	69
026504	FM2 TriplePlay Airflow Disposable Sensor, Infant, 50/pkg	65	105778	CannuTherm Integrated Thermal/Pressure Sensor	63	1420221	CPAP Flow Adapter	69
026505	FM2 TriplePlay Airflow Disposable Sensor, Pediatric, 10/pkg	65	105808	The Electrode Claw	44, 91	1420406	Thermocouple Flow Sensor, Pediatric	62
026506	FM2 TriplePlay Airflow Disposable Sensor, Pediatric, 50/pkg	65	140420	Touchproof Adapter, 1.5mm F to 2mm M	43	1420430	Thermistor Airflow Sensor, 1 channel, Embla Key	63, 92
026507	FM2 TriplePlay Airflow Disposable Sensor, Small, 10/pkg	65	504711	Forehead Strap Buttons, Long	40	1420435	Thermistor Airflow Sensor, 1 channel, Embla Key	63, 92
026508	FM2 TriplePlay Airflow Disposable Sensor, Small, 50/pkg	65	443010	Surface Electrodes, Disposable Pre-Gelled	18	1420446	BreathSensor Cable, Embla Key	64
026509	FM2 TriplePlay Airflow Disposable Sensor, Medium, 10/pkg	65	443020	Surface Electrodes, Disposable Pre-Gelled	18	1420447	BreathSensor Cable, 23", Embla Key	64
026510	FM2 TriplePlay Airflow Disposable Sensor, Medium, 50/pkg	65	444010	Disposable Adhesive Electrode, Square	77, 92, 93	1420448	BreathSensor Cable, 78", Embla Key	64
026511	FM2 TriplePlay Airflow Disposable Sensor, Large, 10/pkg	65	444020	Uni-Patch Pre-TENS Skin Prep Wipes	84	1420600	Piezo Snore Sensor, Embla Key	66, 92
026512	FM2 TriplePlay Airflow Disposable Sensor, Large, 50/pkg	65	454010	Surface Electrodes, Disposable Pre-Gelled	18	1420605	Piezo Snore Sensor, Embla Key	66, 92
026513	Nonin Disposable PureLight Cloth Sensor, Adult	72	454030	Surface Electrodes, Disposable Pre-Gelled	18	1420610	Piezo Snore Sensor	66, 93
026514	Nonin Disposable PureLight Cloth Sensor, Pediatric	72	454040	Surface Electrodes, Disposable Pre-Gelled	18	1420615	Piezo Snore Sensor	66
026515	Nonin Disposable PureLight Cloth Sensor, Infant	72	500101	ThermoCan Interface Cable, Touchproof Connector	63	1421000	XactTrace Cut-to-Fit Belt Material	55, 56
026516	Nonin Disposable PureLight Cloth Sensor, Neonate/Adult	72	500102	ThermoCan Interface Cable, Key Connector	63	1421020	XactTrace Lock - Abdomen	55, 56
026519	Nonin Disposable PureLight Durafoam Sensor Standard	72	500103	ThermoCan Interface Cable, Key Connector	63	1421021	XactTrace Lock - Abdomen EBG	56
026490	Reusable Snap Lead Pairs for EMG, 48" (1.22m), 2/pkg	78	500104	ThermoCan Thermal Cannula, Adult	63	1421022	XactTrace Lock - Thorax	55, 56
026491	Reusable Snap Lead Pairs for EMG, 48" (1.22m), 20/pkg	78	500105	ThermoCan Thermal Cannula, Adult	63	1421023	XactTrace Lock - Thorax EBG	56
026492	Reusable Snap Lead Pairs for EMG, 60" (1.52m), 2/pkg	78	504701	Head Strap 360x14mm	40	1421026	XactTrace Universal Snap Sensor - Abdomen	54
026493	Reusable Snap Lead Pairs for EMG, 60" (1.52m), 20/pkg	78	504710	Forehead Strap Buttons, Short	40	1421027	XactTrace Universal Snap Sensor - Thorax	54
026494	Reusable Snap Lead Pairs for EMG, 100" (2.54m), 2/pkg	78	504711	Forehead Strap Buttons, Long	40	1421032	XactTrace Reusable Belt - Small Abdomen	54
026495	Reusable Snap Lead Pairs for EMG, 100" (2.54m), 20/pkg	78	507104	Covers for Z- and Bridge Electrodes Ø of the covers = 28mm	40	1421033	XactTrace Reusable Belt - Small Thorax	54
026496	Reusable Snap Lead Pairs for EMG, 120" (3.05m), 2/pkg	78	507105	Fixing Cone 16mm inner diameter (for Z-Electrodes)	40	1421034	XactTrace Reusable Belt - Medium Abdomen	54, 92
026497	Reusable Snap Lead Pairs for EMG, 120" (3.05m), 20/pkg	78	507109	Fixing Cone 14mm inner diameter (for Mushroom and Bridge Electrodes)	40	1421035	XactTrace Reusable Belt - Medium Thorax	54, 92
026520	Nonin Disposable PureLight Durafoam Sensor, Small	72	508831	Electrode Leads	43	1421036	XactTrace Reusable Belt - Large Abdomen	55
026525	Ten20 Conductive Paste, Single-Use Cups 0.5oz (15g)	82	508832	Electrode Leads	43	1421037	XactTrace Reusable Belt - Large Thorax	55
026641	Cover-Roll Stretch	85	508834	Electrode Leads	43	1421038	XactTrace Reusable Belt - Medium Thorax	55, 92
51019	Eartips, Neonatal	30	517102	Replacement Felt Pads	11	1421039	XactTrace Reusable Belt - Medium Abdomen	55, 92
51020	Eartips, Infant	30	605112	Adhesive Rings	41	1421040	XactTrace Universal Belt	54
51021	Eartips, Child	30	630506	Recording Electrodes	13	1421041	XactTrace Reusable Belt - Small Thorax	55
51022	Eartips, Adult	30	630558	Acupuncture Needles	25	1421042	XactTrace Reusable Belt - Small Abdomen	55
51023	Eartips, Premature	30	630575	Handheld Felt Pad Surface Stimulating Electrode	11	1421043	XactTrace Reusable Belt - Large Thorax	55
101086	SIGNACREME Electrode Cream	82	630576	EMG Bar Electrode	12	1421044	XactTrace Reusable Belt - Large Abdomen	55
101169	Disposable Adhesive Nutab Tab Electrode	20, 90	630588	Handheld Felt Pad Surface Stimulating Electrode	11	1421047	XactTrace RIP Processor, Thorax	55, 56, 93
101192	Disposable Monopolar Needle Electrode w/61cm Lead, 44mm, 27G, Purple	5	630591	Gold Plated Metal Inserts, concave	11	1421048	XactTrace RIP Processor, Abdomen	55, 56, 93
101194	Disposable Monopolar Needle Electrode w/61cm Lead, 75mm, 25G, Gray	5	630584NE	Gold Plated Metal Inserts, convex	11	1421050	XactTrace Universal Cut-to-Fit Kit, Abdomen	55
101226	Disposable Adhesive Care 310 Ground Electrode	20, 90	630630	Y cable	43	1421051	XactTrace Universal Cut-to-Fit Kit, Thorax	55
101917	3M Transpore Surgical Tape	84, 90, 91	636060NE	Ultima Dual Pressure Flow/Snore Sensor	68	1421052	XactTrace Universal Cut-to-Fit Kit, Complete	55
102107	Cotton Tipped Applicators/Swabs, 6"	85, 91, 92, 93	636062NE	Ultima Dual Pressure Flow/Snore Sensor Cable	68	1421080	XactTrace Universal Kit - Abdomen	54
102108	Stackable Jumper/Linker Cables, 6"	42	1410500	Disposable Adhesive Electrode, Round, Center Snap	77, 93	1421081	XactTrace Universal Kit - Thorax	54
102227	Felt Pad Replacement for Handheld Felt Pad Stimulating Electrode	11	1410510	Disposable Adhesive Electrode, Oval, Offset Snap	77	1421091	XactTrace Universal Kit - Complete	54, 93
102608	Shielded 3-in-1 Monopolar Acquisition Cable, 0.6m	22	1411003	Ten20 Conductive Paste, 4oz Jar	82, 91, 92, 93	1421100	Piezo Resp Effort Belt, Large, Double Buckle, Embla	61
102733	Handheld Felt Pad Stimulating Electrode, 30mm Spacing	11	1411516	Snap Electrode Leads, 1m, Green	79	1421101	Piezo Resp Effort Belt, Large, Double Buckle Embla	61
103031	Natus Disposable Subdermal Needle Electrodes, Twisted Pair, 1.5m	47	1411517	Snap Electrode Leads, 1m, Orange	78	1421102	Piezo Resp Effort Belt, Large, Double-Buckle	61
103035	Marking Pen, Surgical Skin Marker, Violet	86	1411520	Snap Electrode Leads, 1.5m, Black	79	1421230	Velcro Strap Kit	80
103342	Disposable Foam Ear Tips, 18mm	29	1411524	Snap Electrode Leads, 2m, Orange	78, 92	1421234	Velcro Strap, 76cm Length	80
103825	Gauze Squares, 2" X2"	85, 92, 93	1411530	Snap Electrode Leads, 3m, Black/White	79, 92	1421236	Velcro Strap, 114cm Length	80
103847	Masimo LNOP Patient Cable	73	1411535	Snap Electrode Leads, 3m, Black	79, 92	1421238	Velcro Strap, 183cm Length	80
104513	Masimo Disposable Petite Wrap	73	1411541	Snap Electrode Leads, 0.6m, Red	79, 93	1430000	Nonin Xpod Oximeter, Embla	71
104514	Masimo Disposable Standard Wrap	73	1411542	Snap Electrode Leads, 0.75m, Black	79, 93	1430500	Nonin Sensor Extension Cable, 1m	71
104517	Conform Stretch Gauze Rolls	85	1411548	Snap Electrode Leads, 0.6m, Green	79, 93	1431000	Nonin Flex Sensor, Adult, 1m	72, 92
105189	ElectroBoot Sleeve, 30"	44	1412002	Cotton Tipped Applicators/Swabs, 3"	85	1431002	Nonin Flex Sensor, Adult, 3m	72, 92
105190	ElectroBoot Sleeve, 48"	44	1412006	Cotton Tipped Applicators/Swabs, 4"	85	1431003	Nonin Soft Sensor, Small, 1m	71
105590	Disposable Disc Electrode Set for BrainNet Original Template	41	1420002	Nasal Pressure Cannula, Adult, 1.75"	74, 92	1431004	Nonin Soft Sensor, Medium, 1m	71
105592	Nonin Soft Sensor, Medium, 3m	71	1420011	Nasal Pressure Cannula, Adult, 4"	74	1431010	Nonin Soft Sensor, Large, 1m	71
			1420013	Nasal Pressure Cannula, Adult, 6"	74, 92, 93	1431011	Nonin Flex Sensor, Neonatal	72
			1420020	Nasal Pressure Cannula, Pediatric, 1"	75	1431012	Nonin Flex Sensor, Pediatric	72
			1420030	Nasal Pressure Cannula, Intermediate Infant	74	1431020	Nonin Finger Clip Sensor, Adult	71
			1420040	Nasal Pressure Cannula, Infant	74	1431500	Nonin FlexiWraps, Adult	72, 92
			1420050	Nasal Pressure Cannula, Pediatric, 7"	75	1431501	Nonin FlexiWraps, Neonatal	72
			1420100	Nasal/Oral Pressure Cannula, Adult, 1"	74	1431502	Nonin FlexiWraps, Pediatric	72
			1420101	Nasal/Oral Pressure Cannula, Adult, 7"	74	1431530	Nonin Xpod Sensor Clip	71
			1420110	ThermiSense Nasal Cannula w/Filter, 7"	75	1440010	AC Body Position Sensor	70
			1420111	ThermiSense Nasal Cannula, 7"	75	1440011	DC Body Position Sensor	70
			1420112	ThermiSense Nasal Cannula, 2"	75	1440021	DC Body Position Sensor, Embla Key	70
			1420113	ThermiSense Nasal & Gas Sampling Cannula	76	1450021	Velcro Cable Wraps	80
			1420114	ThermiSense Nasal/Oral & Gas Sampling Cannula	75	1450031	Hydrophobic Filter Extension Tube	76
			1420116	CPAP Pressure Tube, 60cm	69, 92	1451010	Touchproof Adapter, 2mm M to 1.5mm F	43
			1420117	CPAP Pressure Tube, 200cm	69, 92, 93	1451020	Stackable Jumper/Linker Cables, 3"	42, 90
			1420124	ThermiSense Sensor Kit, Adult	65	1451034	Jumper/Linker Cable, 5"	42
			1420125	ThermiSense Nasal & Gas Sampling Cannula, Pediatric	76	1451056	1.5mm to Key adapter	80
			1420126	ThermiSense Sensor Kit, Pediatric	65	1451070	XactTrace Extension Cable, Abdomen	56
			1420127	ThermiSense Sensor Kit, Pediatric	65	1451072	XactTrace Extension Cable, Thorax	56
						1451080	XactTrace Universal Cable	54
						4140069	BreathSensor Cable	64
						4140087	RIP Belt, Adult XL	58
						4140088	RIP Belt, Adult Large	58
						4140089	RIP Belt, Pediatric Medium	58
						4140090	RIP Belt, Infant Small	58
						4140094	AC Pressure/Snore Sensor	68, 93

## PART NUMBER INDEX

Part Number	Description	Page	Part Number	Description	Page	Part Number	Description	Page
4140095	RIP Interface Cable, Abdomen	58	019-421500	Inline RF Filter	52	019-477600	Grass Stamped Cup Electrode, Gold, 1.5m Tangle Free Lead	35, 90
4140096	RIP Interface Cable, Chest	58	019-422200	Disposable Adhesive Ground Plate Electrode w/1.5m Lead	17, 91	019-477700	Grass Stamped Cup Electrode, Gold, 2.5m Tangle Free Lead	35
4140114	RIP Belt, Adult XXL	58	019-424500	Snap Electrode Lead Wire pair, 1.5m	78	019-477800	Grass Stamped Cup Electrode, Silver, 1m Tangle Free Lead	35
4140118	Disposable BreathSensor Airflow Thermistor, Adult	64	019-425900	Natus Reusable Indicator Single Fiber Needles, 25mm, 27G	8	019-477900	Grass Stamped Cup Electrode, Silver, 1.5m Tangle Free Lead	35
4140119	Disposable BreathSensor Airflow Thermistor, Child & Small Adult	64	019-426200	Dantec Reusable Concentric Needle Electrodes 1" (25mm)	3	019-478400	Grass Stamped Cup Electrode, Ag/AgCl, 1m Tangle Free Lead	35
4140120	Disposable BreathSensor Airflow Thermistor, Preemie	64	019-426500	Dantec Reusable Concentric Needle Electrodes 2.4" (60mm)	3	019-478500	Grass Stamped Cup Electrode, Ag/AgCl, 1.5m Tangle Free Lead	35
4140121	Disposable BreathSensor Airflow Thermistor, Infant	64	019-428400	Replacement Impedance Adapter Tip	29	019-478600	Grass Stamped Cup Electrode, Gold, 2m Tangle Free Lead	35
9031E0172	Advanced Stimulation Handgrip Electrical Stimulating Probe	9	019-429300	Finger Clip Electrode, 60cm Lead	15	019-478700	Grass Stamped Cup Electrode, Silver, 2m Tangle Free Lead	35
9031E0223	Dantec Keypoint Goggles	31	019-429400	Disposable Adhesive Snap Dual-Surface Electrode	20	019-478800	Grass Stamped Cup Electrode, Silver, 2.5m Tangle Free Lead	35
9031E0258	Dantec Keypoint Calibrated Headphones	31	019-431400	Bipolar Bar Electrode, 9mm Dia., 30mm Spacing, 0.5m Lead	12	019-478900	Grass Stamped Cup Electrode, Ag/AgCl, 2m Tangle Free Lead	35
9031E0277	Left & Right Tubal Insert Phones (TIPs), Dantec	28	019-431500	Touchproof Extension Cables, 39"	42	019-479000	Grass Stamped Cup Electrode, Ag/AgCl, 2.5m Tangle Free Lead	35
016-400000	3M One Step Red Dot Skin Prep Abrader Tape	84	019-432200	Touchproof Cable Extension, 2m	52	019-479100	Grass Stamped 6mm Cup Electrode, Gold, 1.5m Tangle Free Lead	35
016-400700	Electrode/Cable Holder	44	019-433000	Stackable Jumper/Linker Cables, 20"	42	019-479200	Grass Disposable Cup Electrode, Ag/AgCl, 2.5m Tangle Free Lead	36
016-400800	Gauze squares, 3" x 3"	85, 91	019-433800	Cup Electrode, Gold, 2.5m Tangle Free Lead	35	019-479400	Luer Lock Syringe 1ml	7
016-401000	LemonPrep Abrasive Skin Prepping Lotion, 4oz Tube	83	019-434600	Disposable Adhesive Transparent Electrode Set, 3 Discs w/0.5m Leads	17	019-479500	Multi-Press AC/DC Pressure Flow/Snore Sensor	68
016-401600	TENSIVE Conductive Adhesive Gel	82	019-434700	Disposable Adhesive Transparent Electrode Set, 3 Discs w/0.8m Leads	17	019-479600	Piezo Resp Effort Belt, Large/XL, Double Loop	61
016-401800	SPECTRA 360 Electrode Gel	83	019-434800	Disposable Adhesive Transparent Electrode Set, 3 Discs w/1.2m Leads	17	019-479700	Piezo Snore Sensor, Xitek	66
016-402900	Waveprep Mildly Abrasive Skin Prep, 0.3oz Cup	83	019-435300	Disposable Adhesive Ground Tab Electrode	19	019-479900	DC Body Position Sensor, Embla 1/8" Plug	70
016-403300	LemonPrep Abrasive Skin Prepping Lotion, 0.35oz Cup	83	019-435500	Disposable Adhesive Ring Tab Electrode	19	019-480000	DC Body Position Sensor	70
016-703000	Prep Pad, Alcohol	84, 93	019-437300	DVD BrainNet Template Set-Up ICU	41	019-480200	Thermocouple Airflow Sensor, 1 channel	62
016-703200	Electrode Prep Pad	84	019-437400	DVD BrainNet Continuous EEG in ICU	41	019-480300	Dynamic Microphone Snoring Sensor	67
016-703700	Ten20 Conductive Paste, 8oz Jar	82, 90	019-438400	BraiNet Template, Baby, 25-29cm	41	019-480400	Thermistor Airflow Sensor, 1 channel, Embla	63
016-703800	Synapse Conductive Electrode Cream	82	019-438500	BraiNet Template, Baby, 29.5-33cm	41	019-480600	Thermistor Airflow Sensor, 1 channel	63
019-400400	Disposable Adhesive Electrode Set, 4 Discs w/1m Leads	16	019-438600	BraiNet Template, Baby, 33.5-37cm	41	019-480800	Thermocouple Airflow Sensor, 2 channel	62
019-400500	Disposable Adhesive Ground Plate Electrode w/1m Lead	17	019-438700	BraiNet Template, Baby, 37.5-41cm	41	019-480900	Thermocouple Airflow Sensor, Pediatric, 2 channel	62
019-401100	Touchproof Extension Cables, 79"	42	019-438800	BraiNet Template, Baby, 41.5-45cm	41	019-481000	Thermistor Airflow Sensor, 2 channel	62
019-401200	Disc Ground Electrode, 0.75m Lead	13, 90	019-438900	BraiNet Template, 10/20, XSmall, 45.5-49cm	41	019-481100	Adjustable RIP Kit, Adult	58
019-401400	Bipolar Bar Electrode, 9mm Dia., 30mm Spacing, 1.0m Lead	12	019-439000	BraiNet Template, 10/20, Small, 49.5-54cm	41	019-481200	Adjustable RIP Belt Only, Adult	58
019-401500	Bipolar Felt Pad Bar Electrode, 30mm Spacing	12	019-439100	BraiNet Template, 10/20, Adult, 57.5-62cm	41	019-481300	DC Body Position Sensor, Grass 1/8" Plug	70
019-403800	Small Stimulating Electrode, 1m Lead	10	019-439200	BraiNet Template, 10/20, Child, 54.5-57cm	41	019-741901	Gold TIPtrode, 13mm	29
019-404800	Ball/Pedicle Screw Electrode, 100mm, Gold	49	019-439300	Disposable Adhesive Ring Electrode w/0.5m Leads	17	019-746802	Gold TIPtrode, 10mm	29
019-404900	Ball/Pedicle Screw Electrode, 150mm, Gold	49	019-439400	Disposable Adhesive Electrode Set, 3 Discs w/0.5m Leads	16	019-767700	Disposable Adhesive Electrode Center Snap, Rectangular	30
019-405400	Natus Ear Clip Electrode, 6mm Ag/AgCl, 39" Lead	36	019-444000	BraiNet 10/20 Headbox Overlay	41	019-768500	Disposable Adhesive Ground Plate Tab Electrode	19
019-405500	Natus Ear Clip Electrode, Ag/AgCl, 39" Lead	36	019-446700	Bipolar Bar Electrode, 10mm Dia., 30mm Spacing, 1.0m Lead	12, 90	019-772100	Cup Electrode, Silver, 6mm Cup, 1m Tangle Free Lead	35
019-405900	Ground Velcro Strap Electrode, Adult, 54cm x 20mm, 1.25m Lead	13	019-451400	Luer Lock Syringe 1ml	7	019-772200	Cup Electrode, Silver, 6mm Cup, 1.5m Tangle Free Lead	35
019-406000	Disposable Adhesive Temperature Electrode	24	019-451600	Luer Lock Syringe 3ml	7	019-772500	Cup Electrode, Gold, 6mm Cup, 1m Tangle Free Lead	35
019-406500	AC Body Position Sensor	70	019-473000	PROTEX Disinfectant Wipes	86	019-772600	Cup Electrode, Gold, 6mm Cup, 1.5m Tangle Free Lead	35
019-406600	Disposable Adhesive Tab Electrodes, 2/pouch w/1m Leads	16	019-474800	Disposable Monopolar Needle Electrode w/74cm Lead, 20mm, 28G, Red	5	033-406001	Straight Probe Tip Replacement Head	10
019-406700	Felt Pad Replacement for Bipolar Felt Pad Bar Electrode	12	019-474900	Disposable Monopolar Needle Electrode w/74cm Lead, 25mm, 27G, Yellow	5	033-407100	Angled Probe Tip Replacement Head	10
019-408400	Touchproof Cable Extension, 1m	52	019-475000	Disposable Monopolar Needle Electrode w/74cm Lead, 37mm, 27G, Green	5	033-409501	Touchproof Probe Tip Replacement Head	10
019-408500	Disposable Adhesive Electrode w/1m Lead	18	019-475100	Disposable Monopolar Needle Electrode w/74cm Lead, 37mm, 26G, White	5	040D040	Temperature Probe with Ferrite	24
019-409000	Disposable Adhesive Electrode Set, 4 Discs w/2m Leads	16, 91	019-475200	Disposable Monopolar Needle Electrode w/74cm Lead, 50mm, 26G, Blue	5	041-704000	Tubal Insert Phones (TIPs) Kit, Nicolet	28
019-409100	Disposable Adhesive Ground Plate Electrode w/2m Lead	17	019-475300	Disposable Hook-Wire Electrode, Single	48	071-423500	Comfort Probe & Comfort Probe Plus Adult Straight Probe Head	9
019-411200	Replacement Clear Silicone Tubes	29	019-475400	Disposable Hook-Wire Electrode, Paired	48	071-423600	Comfort Probe & Comfort Probe Plus Adult Angled Probe Head	9
019-413900	Cup Electrode, Gold, 1.5m Tangle Free Lead	35	019-475700	Natus Disposable Subdermal Needle Electrodes, Twisted Pair, 2m	47, 91	071-423700	Comfort Probe & Comfort Probe Plus Pediatric Straight Probe Head	9
019-414100	Cup Electrode, Silver, 1.5m Tangle Free Lead	35	019-475800	Natus Classic Disposable Subdermal Needle Electrode, 6 Color, 1m	46	071-423800	Comfort Probe & Comfort Probe Plus Pediatric Angled Probe Head	9
019-414200	Disposable Adhesive Electrode Set, 3 Discs w/1m Leads	16	019-475900	Natus Classic Disposable Subdermal Needle Electrode, 6 Color, 1.5m	46	071-500600	Comfort Probe & Comfort Probe Plus Touchproof Probe Head	9
019-414400	Cup Electrode, Gold, 1m Tangle Free Lead	35	019-476000	Natus Classic Disposable Subdermal Needle Electrode, 6 Color, 2.5m	46	085-415000	TIPtrode Cable, 250mm	29
019-414600	Cup Electrode, Silver, 1m Tangle Free Lead	35	017505	Disposable Corkscrew Electrode, 1.2m	48, 91	085-416800	Micrograbber Cable, 2m	52
019-415000	Disposable Adhesive Electrode 2x2 Set, 4 Discs w/1.5m Leads	16	019-476600	Natus Ultra Disposable Subdermal Needle Electrode, 6 Color, 1m	46	085-417401	Natus Concentric Cable Adapter, 15.2cm	23
019-415200	Disposable Adhesive Electrode, NCV Electrode Set: 2 Disc 1 Ground, 1m	16	019-476700	Natus Ultra Disposable Subdermal Needle Electrode, 12 Color, 1m	46	085-444700	Natus Needle Holder for Single Fiber Needles	8
019-415900	Ground Velcro Strap Electrode, Pediatric, 24cm x 20mm, 1.25m Lead	13	019-476800	Natus Ultra Disposable Subdermal Needle Electrode, 6 Color, 1.5m	46, 91	085-452500	Snap Electrode Shielded Cable, 2 Snap, 1.5m	78
019-416500	Ball/Pedicle Screw Electrode, 150mm, Silver	49	019-476900	Natus Ultra Disposable Subdermal Needle Electrode, 12 Color, 1.5m	46	085-460000	Rhizotomy Hook Cable, 3m	52
019-416700	Ball/Pedicle Screw Electrode, 150mm, Ag/AgCl	49	019-477000	Natus Ultra Disposable Subdermal Needle Electrode, 6 Color, 2.5m	46	085-746400	Replacement TIPs Cable, Nicolet	28
019-417000	Alligator-Clip Lead Wire Kit, 1.25m Leads (Red & Black)	20	019-477100	Natus Ultra Disposable Subdermal Needle Electrode, 12 Color, 2.5m	46	085-481300	waveguard connect adapter for Nicolet v32 and v44 amplifiers	39
019-417200	Alligator-Clip Lead Ground, 1.25m Lead (Green)	20	019-477200	Grass Disposable Cup Electrode, Ag/AgCl, 1m Tangle Free Lead	36, 91	101432XL	Measurement Tapes, Retractable	86, 90, 91, 92, 93
019-417600	Cup Electrode, Ag/AgCl, 1m Tangle Free Lead	35, 93	019-477300	Grass Disposable Cup Electrode, Ag/AgCl, 1.5m Tangle Free Lead	36	101963XL	Reusable Stimulation Probe with Start/Stop Switch	10
019-417700	Cup Electrode, Ag/AgCl, 1.5m Tangle Free Lead	35	019-477400	Grass Disposable Cup Electrode, Ag/AgCl, 2m Tangle Free Lead	36	102340XL	SIGNALGEL Electrode Gel	82, 90
019-419000	Snap Electrode Lead Wire Set, 1.0m	78	019-477500	Grass Stamped Cup Electrode, Gold, 1m Tangle Free Lead	35	105720XL	Nonin Disposable Sensor, Adult	72
019-419100	Snap Electrode Lead Wire Set, 1.4m	78						
019-419200	Snap Electrode Lead Wire Set, 2.0m	78						
019-419300	Snap Electrode Lead Wire Set, 3.0m	78						
019-420100	Jumper/Linker Cable, 4"	43						
019-420800	Disposable Adhesive Electrode 2x2 Set, 4 Discs w/3m Leads	16						
019-421000	Snap-On T-Bar Handle	12						

## PART NUMBER INDEX

Part Number	Description	Page
117-401900	Alligator-Clip Lead Wire Kit, 1.25m Leads (Red/Black/Green)	20, 90
1200G	Dynamic Microphone Snoring Sensor	67
122-407000	Electro-Gel, 16oz (473ml)	38, 39
122-409100	Electro-Gel, 128oz (3785ml)	39
122-412700	Zymit Enzyme Cleaner	86
122-736000	Ten20 Conductive Paste, 4oz Tube	82
122-736100	NuPrep Skin Prep Gel, 3oz Tube	83, 90, 91, 92, 93
122-737200	AQUASONIC 100 Ultrasound Transmission Gel	83
122-739000	Sharps Container, Small, 1 Quart	24
122-739100	Sharps Container, Large, 2 Quart	24
123-401600	Disposable Adhesive Mini-Temp Hearts for Flexible Surface Temp. Probe	24
123-402000	3M Coban Self-Adherent Wrap	84
123-723900	3M Micropore Surgical Tape	84, 93
1370G-KIT	Piezo Resp Effort Belt, Large, Double Buckle, Grass	61
1388G-KIT	Piezo Resp Effort Belt, Small/Pediatric, Velcro Tab, Grass	61
1401G	Thermocouple Airflow Sensor, 1 channel	62
1401G-H	Thermistor Airflow Sensor for Cannula	62, 93
1410505	Disposable Adhesive Electrode, Round, Offset Snap	77, 90, 91
1413G	Thermocouple Airflow Sensor	62
1421-H	Thermistor Airflow Sensor for Cannula, Grass Key	62
14838-KIT	AC Pressure/Snore Sensor, Grass Key	68
1574-KIT	DC Body Position Sensor, Grass Key	70
1700-9604	Disposable Foam Ear Tips, 13mm	29
1700-9605	Disposable Foam Ear Tips, 10mm	29
1700-9686	Nubbies for Replacement Tubes	29
1700-9688	Replacement Red/Blue Silicone Tubes	29
1770G-KIT	Limb Movement Sensor	69
1773-KIT	Limb Movement Sensor, Grass Key	69
2002-TP	Shuttle Cable, 61cm	22
222-490300	Nonin Sensor Extension Cable, 3m	71
222-490400	Nonin Sensor Extension Cable, 6m	71
222-496100	Natus Disposable Cortical Stimulation Probe	42
222-515500	Thermasonic Gel Warmer, 110V	87
222-515600	Thermasonic Gel Warmer, 220V	87
268-411800	Flexible Surface Temperature Probe w/1.9m Cable	24
270-401000	Marking Pen, Wet Erase, Blue	86
500-P	BraiNet Original/Baby Headbox Overlay	41
5032-TP	Digital Ring Electrode, 1m Leads	14, 90
503171NE	waveguard connect adapter for Schwarzer/Deltamed Brainbox 1042 EEG amplifier	39
515-016300	Comfort Probe Electrical Stimulating Probe	9
515-018300	EMG Needle Holder	25
515-018800	Comfort Probe Plus Electrical Stimulating Probe w/ adjustment controls	9
6030-3-TP	Stainless Steel Disc Electrodes, 1m Separate Leads	13
6030-TP	Stainless Steel Disc Electrodes, 1m Twisted Leads	13, 90
6032-TP	Digital Ring Electrode, 46cm Leads, TP	14
630571NE	EMG Bar Electrode	12
630583NE	Handheld Felt Pad Surface Stimulating Electrode	11
698-621400	Velcro Strap, 55cm length	25, 90
748040	O-Rings for EEG-Electrodes	40
842-11500	Bipolar Stimulation Probe	10
842-106504	Nicolet Viking Goggles	31
842-116700	Tendon (Reflex) Hammer	24
842-122600	EMG Needle Holder	25
842-202300	Nicolet Viking Shielded Headphones	31
842-202600	Bone Vibrator Transducer	30
842-202700	Nicolet Viking Unshielded Headphones	31
842-216700	Contact Lens Electrode	30
842-507300	Replacement Ear Tips, 3.5mm	29
842-507400	Replacement Ear Tips, 4.0mm	29
842-507500	Replacement Ear Tips, 5.0mm	29
842-507900	Disposable Adhesive Electrode Center Snap, Round	30
842-674200	Nonin Xpod Oximeter, Nicolet	71
9013C0014	Dantec DCN Concentric Needle Holder Cable, 59" (1.5m), 5-Pin DIN Connector	3, 90
9013E1372	Monopode Bridge Electrodes, 2mm pin/crocodile, child orange	40
9013E1382	Monopode Bridge Electrodes, 2mm pin/crocodile, child orange	40
9013E1512	Cable for monopode bridge electrodes, 1m, 2mm spring pin to 1.5mm female TP	40
918300	Cable for monopode bridge electrodes, 1m, 2mm spring pin to 1.5 mm female TP	40
9031E0402	Tendon (Reflex) Hammer	24

Part Number	Description	Page
9013E1522	Cable for monopode bridge electrodes, 1m, 2mm spring pin to 1.5mm female TP	40
9013E1712	Ear Clip Electrode, adjustable tension, Ag/AgCl, 1m lead	40
999-200000	Head Cap - Silicone Rubber- Transparent, 30cm, Medium Adult	40
9013E1152	Head Cap - Silicone Rubber- Transparent, 40cm, Large Adult	40
9013E1212	Head Cap - Silicone Rubber- Transparent, 18cm Intermediate	40
9013E1222	Head Cap - Silicone Rubber- Transparent, 22cm Intermediate	40
9013E1232	Head Cap - Silicone Rubber- Transparent, 26cm Intermediate	40
9013E1242	Head Cap - Silicone Rubber- Transparent, 28cm Intermediate	40
9013E1252	Head Cap - Silicone Rubber- Transparent, 32cm Intermediate	40
9013E1262	Head Cap - Silicone Rubber- Transparent, 37cm Intermediate	40
9013E1312	Monopode Bridge Electrodes, 2mm pin/crocodile, adult blue	40
9013E1322	Monopode Bridge Electrodes, 2mm pin/crocodile, adult blue	40
9013E1352	Monopode Bridge Electrodes, 2mm pin/crocodile, adult red	40
9013E1362	Monopode Bridge Electrodes, 2mm pin/crocodile, adult red	40
9013C0112	HUSH Shielded cable for Velcro Digital Ring Electrodes, 1m	8
9013C0122	HUSH Shielded cable for Velcro Digital Ring Electrodes, 2m	8
9013C0132	Multi Use Cable, 1m	8
9013C0142	Multi Use Cable, 2m	8
9013C0152	Dantec Electrode Cable, Unshielded, 80cm	8
9013C0232	HUSH 3-in-1 Shielded Alligator-Clip Cable, 1m	22, 90
9013C0242	Dantec Electrode Cable, Unshielded, 2m	8
9013C0302	HUSH Yoke Cable, 1.5m, 5-Pin Right-Angle DIN Connector	23
9013C0312	HUSH Yoke Cable, 1.5m	23
9013C0402	HUSH Yoke Cable, 10cm	23
9013C0422	HUSH Yoke Cable, 4m, 5-Pin Right Angle DIN Connector	23
9013E1122	Head Cap - Silicone Rubber- Transparent, 20cm, Baby	40
9013E1132	Head Cap - Silicone Rubber- Transparent, 24cm, Child	40
9013E1142	Head Cap - Silicone Rubber- Transparent, 30cm, Small Adult	40
9013L0203	Disposable Adhesive Non-Gelled Electrode w/8cm Lead	17
9013L0241	Acceleration Transducer for Tremor Analysis	25
9013L0322	St. Mark's Pudendal NCS Electrode Cable, 2m	15
9013L0362	Handheld Felt Pad Stimulating Electrode, 23mm Spacing	11, 90
9013L0453	Disposable Adhesive Electrode w/46.5cm Lead	18, 90
9013L3522	Felt Pad Replacement for Handheld Felt Pad Stimulating Electrode, 7.5mm	11
9013L4402	St. Mark's Pudendal NCS Electrode	15
9013P0283	Touchproof to 5-Pin DIN Adapter Cable	23
9013P0602	HUSH Alligator-Clip Lead, 80cm Lead (Green)	22
9013P0642	HUSH Alligator-Clip Lead, 80cm Lead (Red)	22
9013R0313	Disposable Scalp Needle Electrodes	47, 90
9013S0012	Dantec DCN Disposable Concentric Needle Electrodes, 25mm, 30G, Orange	3, 90
9013S0022	Dantec DCN Disposable Concentric Needle Electrodes, 25mm, 26G, Green	3
9013S0032	Dantec DCN Disposable Concentric Needle Electrodes, 37mm, 26G, Blue	3, 90
9013S0042	Dantec DCN Disposable Concentric Needle Electrodes, 50mm, 26G, Red	3
9013S0052	Dantec DCN Disposable Concentric Needle Electrodes, 75mm, 23G, Yellow	3
9013S0164	EMG/NCS Supplies Starter Kit for Dantec System	90
9013S0182	EMG Supplies Starter Kit for Dantec Clavis	90
9013S0212	Disposable Adhesive Electrode w/10cm Lead	18
9013S0225	Disposable Adhesive Electrode w/15cm Lead	18
9013S0242	Disposable Adhesive Electrode w/6cm Lead	18
9013S0302	Digital Ring Electrode, 1m Cable	14, 90
9013S0352	HUSH Bipolar Bar Electrode, 1m Lead	12
9013S0402	HUSH Disc Electrodes, 1m Lead	13
9013S0422	Bo-ject DHN Disposable Hypodermic Needle Electrode, 25mm, 30G, Tan	6
9013S0432	Bo-ject DHN Disposable Hypodermic Needle Electrode, 25mm, 27G, Pink	6
9013S0442	Bo-ject DHN Disposable Hypodermic Needle Electrode, 37mm, 27G, Light Blue	6, 90
9013S0452	Bo-ject DHN Disposable Hypodermic Needle Electrode, 50mm, 25G, Gray	6, 90

Part Number	Description	Page
9013S0462	Bo-ject DHN Disposable Hypodermic Needle Electrode, 75mm, 22G, Light Green	6
9013S0472	Bo-ject DHN Disposable Hypodermic Needle Electrode, 37mm, 26G, Brown	6
9013S0714	Ground Velcro Strap Electrode, 10cm x 15mm	13
9013S0735	Ground Velcro Strap Electrode, 18.5cm x 20mm	13, 90
9013S0745	Ground Velcro Strap Electrode, 75cm x 20mm	13
9013S0775	Ground Velcro Strap Electrode, 45cm x 20mm	13
9015A0012	Dantec Clavis	7
902-DMF25-S	TECA Elite Disposable Monopolar Needle, 25mm, 28G, Red	4
902-DMF25-TP	TECA Disposable Monopolar Needle, 25mm, 28G, Red	4
902-DMF37-S	TECA Elite Disposable Monopolar Needle, 37mm, 28G, Orange	4, 90
902-DMF37-TP	TECA Disposable Monopolar Needle, 37mm, 28G, Orange	4
902-DMG25-S	TECA Elite Disposable Monopolar Needle, 25mm, 26G, Yellow	4
902-DMG25-TP	TECA Disposable Monopolar Needle, 25mm, 26G, Yellow	4
902-DMG37-S	TECA Elite Disposable Monopolar Needle, 37mm, 26G, Green	4
902-DMG37-TP	TECA Disposable Monopolar Needle, 37mm, 26G, Green	4
902-DMG50-S	TECA Elite Disposable Monopolar Needle, 50mm, 26G, Blue	4
902-DMG50-TP	TECA Disposable Monopolar Needle, 50mm, 26G, Blue	4
902-DMG75-S	TECA Elite Disposable Monopolar Needle, 75mm, 26G, Violet	4
902-DMG75-TP	TECA Disposable Monopolar Needle, 75mm, 26G, Violet	4
902-EX-TP	Extension Cable for Monopolar Needles, 61cm	23
902-RLC-TP	TECA Lead Cable for Disposable Monopolar Needles, 24" (61cm)	4
902-SL3	Shielded Monopolar Cable, 61cm	22, 90
9021S0235	Disposable Adhesive Electrode w/15.2cm Lead	18
9101G	RIP Interface Cable, Abdomen, Grass TP	58
9102G	RIP Interface Cable, Chest, Grass TP	58
9523-7-TP	Hand-Held Bipolar Stimulator Probe with Stainless Steel Tips	10
9541	Replacement Stainless Steel Tips for Hand-Held Bipolar Stimulator Probe	10
ACE114	Piezo Resp Effort Belt, Small/Extra Small, Double Loop	61
ACE116	Piezo Resp Effort Belt, Large/XL, Velcro Tab, Grass	61
ACE119	DC Body Position Sensor	70
ACE131	Thermocouple Flow Sensor, Pediatric	62
ACE146	Limb Movement Sensor Kit	69
ACE171	Ultima Thermistor Airflow Sensor, Pediatric	65
ACE172	Ultima Snore Microphone	67
ACE176	Thermocouple Flow Sensor, Infant	62
ADE016	Disposable Sponge disk	40
AT15	3M Blended Surgical Tape	84
CB0102	Alligator-Clip Lead Wire Set, 61cm Leads (Red/Black/Green)	20
CEDL-1PDINX-000	Disposable Epidural Spinal Electrode	50
EC3	EC3 Conductive Adhesive Gel, 12pk	82
EDAID1	Grass Frequency Ruler	44
EDAID2	Grass Head Measurement Tapes	86
EDBOOK1	International 10-20 System of Electrode Placement Book	44
EDCHART1	International 10-20 System of Electrode Placement Chart	44
EM1	Marking Pen, China Marker, Red	86, 91
EM2	Marking Pen, China Marker, White	86
EM3	Marking Pen, China Marker, Blue	86, 92, 93
F-E2-12	Genuine Grass Platinum Subdermal Needle Electrode, 10 Color, 12"	47
F-E2-24	Genuine Grass Platinum Subdermal Needle Electrode, 10 Color, 24"	47
F-E2-30	Genuine Grass Platinum Subdermal Needle Electrode, 10 Color, 30"	47
F-E2-48	Genuine Grass Platinum Subdermal Needle Electrode, 10 Color, 48"	47
F-E2-72	Genuine Grass Platinum Subdermal Needle Electrode, 10 Color, 72"	47
F-E34DG-48	Genuine Grass Ear Clip Electrode, Gold, 48" Lead	36
F-E34DG-72	Genuine Grass Ear Clip Electrode, Gold, 72" Lead	36
F-E34DS-48	Genuine Grass Ear Clip Electrode, Silver, 48" Lead	36
F-E5GH-12	Genuine Grass Cup Electrode, Gold, 12" Lightweight Lead	34

## PART NUMBER INDEX

Part Number	Description	Page
F-E5GH-120	Genuine Grass Cup Electrode, Gold, 120" Lightweight Lead	34
F-E5GH-24	Genuine Grass Cup Electrode, Gold, 24" Lightweight Lead	34
F-E5GH-30	Genuine Grass Cup Electrode, Gold, 30" Lightweight Lead	34
F-E5GH-48	Genuine Grass Cup Electrode, Gold, 48" Lightweight Lead	34, 91
F-E5GH-60	Genuine Grass Cup Electrode, Gold, 60" Lightweight Lead	34, 91, 92, 93
F-E5GH-72	Genuine Grass Cup Electrode, Gold, 72" Lightweight Lead	34
F-E5GH-96	Genuine Grass Cup Electrode, Gold, 96" Lightweight Lead	34
F-E5SH-48	Genuine Grass Cup Electrode, Silver, 48" Lightweight Lead	34
F-E5SH-72	Genuine Grass Cup Electrode, Silver, 72" Lightweight Lead	34
F-E6GH-48	Genuine Grass 6mm Cup Electrode, Gold, 48" Lightweight Lead	34
F-SL120	Snap Electrode Leads, 120"	79
F-SL48	Snap Electrode Leads, 48"	79, 93
F-SL60	Snap Electrode Leads, 60"	79, 92, 93
F-SL72	Snap Electrode Leads, 72"	79
F-SL96	Snap Electrode Leads, 96"	79, 92, 93
FD-E5GH-48	Genuine Grass Cup Electrode, Gold, 48" Lightweight Lead, Red TP	34
FD-E5GH-60	Genuine Grass Cup Electrode, Gold, 60" Lightweight Lead, Red TP	34
FD-E5GH-72	Genuine Grass Cup Electrode, Gold, 72" Lightweight Lead, Red TP	34
FD-E5GH-96	Genuine Grass Cup Electrode, Gold, 96" Lightweight Lead, Red TP	34
FG08A-LP10X-OJF	Disposable 8-Contact Grid Electrodes	48
FH-E5GH-48	Genuine Grass Cup Electrode, Gold, 48" Lightweight Lead, Yellow TP	34
FH-E5GH-60	Genuine Grass Cup Electrode, Gold, 60" Lightweight Lead, Yellow TP	34
FH-E5GH-72	Genuine Grass Cup Electrode, Gold, 72" Lightweight Lead, Yellow TP	34
FH-E5GH-96	Genuine Grass Cup Electrode, Gold, 96" Lightweight Lead, Yellow TP	34
FH-E5SH-48	Genuine Grass Cup Electrode, Silver, 48" Lightweight Lead, Yellow TP	34
FS-E5GH-120	Genuine Grass Cup Electrode, Gold, 120" No-Tangle Lead	34
FS-E5GH-48	Genuine Grass Cup Electrode, Gold, 48" No-Tangle Lead	34
FS-E5GH-60	Genuine Grass Cup Electrode, Gold, 60" No-Tangle Lead	34
FS-E5GH-72	Genuine Grass Cup Electrode, Gold, 72" No-Tangle Lead	34
FS-E5GH-96	Genuine Grass Cup Electrode, Gold, 96" No-Tangle Lead	34
FS-E5SH-48	Genuine Grass Cup Electrode, Silver, 48" No-Tangle Lead	34
FS-E5SH-60	Genuine Grass Cup Electrode, Silver, 60" No-Tangle Lead	34
HC0016	128-channel waveguard original cap, Large	38
HC0015	128-channel waveguard original cap, Medium	38
HC0014	128-channel waveguard original cap, Small	38
HC0013	128-channel waveguard original cap, Child	38
HC0018	256-channel waveguard original cap, Large	38
HC0017	256-channel waveguard original cap, Medium	38
MJT-2527-LL	TECA Myoject Disposable Injectable Needle Electrode, 25mm, 27G, Yellow	6
MJT-2530-LL	TECA Myoject Disposable Injectable Needle Electrode, 25mm, 30G, Red	6
MJT-3726-LL	TECA Myoject Disposable Injectable Needle Electrode, 37mm, 26G, Green	6
MJT-3727-LL	TECA Myoject Disposable Injectable Needle Electrode, 37mm, 27G, Orange	6
MJT-5025-LL	TECA Myoject Disposable Injectable Needle Electrode, 50mm, 25G, Blue	6
MJT-7522-LL	TECA Myoject Disposable Injectable Needle Electrode, 75mm, 22G, Violet	6
MS04N-LP10X-OJF	Disposable 4-Contact Strip Electrodes	48
MS08N-LP10X-OJF	Disposable 8-Contact Strip Electrodes	48
N2025	30 Patient Kit, Disposable Adhesive Bar, Ring & Ground Tab Electrodes	19
N6003	Disposable Adhesive Bar/Disc Tab Electrode	19
S53153	TECA Elite Disposable Concentric Needle Electrodes, 25mm, 30G, Red	2, 90
S53155	TECA Elite Disposable Concentric Needle Electrodes, 25mm, 26G, Yellow	2
S53156	TECA Elite Disposable Concentric Needle Electrodes, 37mm, 26G, Green	2, 90

Part Number	Description	Page
S53158	TECA Elite Disposable Concentric Needle Electrodes, 50mm, 26G, Blue	2
S53159	TECA Elite Disposable Concentric Needle Electrodes, 75mm, 23G, Violet	2
W6179H	Shielded 3-in-1 Extension Cable	22
X21001	TECA Elite Concentric Needle Holder Cable, 0.9m, 5-Pin DIN Connector	2, 90

## SUBJECT INDEX

Part Number	Description	Page
<b>ACCELERATION SENSORS</b>		
9013L0241	Acceleration Transducer for Tremor Analysis	25
<b>ADHESIVE ELECTRODES - DISPOSABLE</b>		
019-767700	Disposable Adhesive Electrode Center Snap, Rectangular	30
842-507900	Disposable Adhesive Electrode Center Snap, Round	30
1410510	Disposable Adhesive Electrode, Oval, Offset Snap	77
022107	Disposable Adhesive Electrode, Round, Center Snap	77
022108	Disposable Adhesive Electrode, Square, Center Snap	77
1410500	Disposable Adhesive Electrode, Round, Center Snap	77, 93
1410505	Disposable Adhesive Electrode, Round, Offset Snap	77, 90, 91
444010	Disposable Adhesive Electrode, Square, Center Snap	77, 92, 93
017516	Value Line 4-Disc Electrode Set with Leads, Disposable	16
<b>ADHESIVE ELECTRODES - DISPOSABLE W/LEAD WIRE ATTACHED</b>		
019-415000	Disposable Adhesive Electrode 2x2 Set, 4 Discs w/1.5m Leads	16
019-420800	Disposable Adhesive Electrode 2x2 Set, 4 Discs w/3m Leads	16
019-439400	Disposable Adhesive Electrode Set, 3 Discs w/0.5m Leads	16
019-414200	Disposable Adhesive Electrode Set, 3 Discs w/1m Leads	16
019-400400	Disposable Adhesive Electrode Set, 4 Discs w/1m Leads	16
019-409000	Disposable Adhesive Electrode Set, 4 Discs w/2m Leads	16, 91
901350212	Disposable Adhesive Electrode w/10cm Lead	18
901350225	Disposable Adhesive Electrode w/15cm Lead	18
019-408500	Disposable Adhesive Electrode w/6cm Lead	18
902150235	Disposable Adhesive Electrode w/15.2cm Lead	18
9013L0453	Disposable Adhesive Electrode w/46.5cm Lead	18, 90
901350242	Disposable Adhesive Electrode w/6cm Lead	18
019-415200	Disposable Adhesive Electrode, NCV Electrode Set: 2 Disc 1 Ground, 1m	16
019-422200	Disposable Adhesive Ground Plate Electrode w/1.5m Lead	17, 91
019-400500	Disposable Adhesive Ground Plate Electrode w/1m Lead	17
019-409100	Disposable Adhesive Ground Plate Electrode w/2m Lead	17
9013L0203	Disposable Adhesive Non-Gelled Electrode w/8cm Lead	17
019-439300	Disposable Adhesive Ring Electrode w/0.5m Leads	17
019-406600	Disposable Adhesive Tab Electrodes, 2/pouch w/1m Leads	16
019-434600	Disposable Adhesive Transparent Electrode Set, 3 Discs w/0.5m Leads	17
019-434700	Disposable Adhesive Transparent Electrode Set, 3 Discs w/0.8m Leads	17
019-434800	Disposable Adhesive Transparent Electrode Set, 3 Discs w/1.2m Leads	17
017515	Value Line Ground Plate Electrodes with Lead, Disposable	17
026489	Disposable Adhesive Chin EMG Electrode with Lead Wire Attached	77
443010	Surface Electrodes, Disposable Pre-Gelled	18
443020	Surface Electrodes, Disposable Pre-Gelled	18
454010	Surface Electrodes, Disposable Pre-Gelled	18
454030	Surface Electrodes, Disposable Pre-Gelled	18
454040	Surface Electrodes, Disposable Pre-Gelled	18
<b>ADHESIVE SNAP ELECTRODES - DISPOSABLE</b>		
019-429400	Disposable Adhesive Snap Dual-Surface Electrode	20
N2025	30 Patient Kit, Disposable Adhesive Bar, Ring & Ground Tab Electrodes	19
026498	Disposable Adhesive Dual Leg EMG Snap Electrode	77
<b>ADHESIVE TAB ELECTRODES - DISPOSABLE</b>		
N6003	Disposable Adhesive Bar/Disc Tab Electrode	19
101226	Disposable Adhesive Care 310 Ground Electrode	20, 90
019-768500	Disposable Adhesive Ground Plate Tab Electrode	19
019-435300	Disposable Adhesive Ground Tab Electrode	19
101169	Disposable Adhesive Nutab Tab Electrode	20, 90
019-435500	Disposable Adhesive Ring Tab Electrode	19

Part Number	Description	Page
<b>ALLIGATOR-CLIP LEADS</b>		
019-417200	Alligator-Clip Lead Ground, 1.25m Lead (Green)	20
019-417000	Alligator-Clip Lead Wire Kit, 1.25m Leads (Red & Black)	20
117-401900	Alligator-Clip Lead Wire Kit, 1.25m Leads (Red/Black/Green)	20, 90
CB0102	Alligator-Clip Lead Wire Set, 61cm Leads (Red/Black/Green)	20
AT15	3M Blenderm Surgical Tape	84
123-402000	3M Coban Self-Adherent Wrap	84
123-723900	3M Micropore Surgical Tape	80, 91
101917	3M Transpore Surgical Tape	84, 90, 91
<b>APPLICATION PRODUCTS - ANCILLARY</b>		
104517	Conform Stretch Gauze Rolls	85
1412002	Cotton Tipped Applicators/Swabs, 3"	85
1412006	Cotton Tipped Applicators/Swabs, 4"	85
102107	Cotton Tipped Applicators/Swabs, 6"	85, 91, 92, 93
017517	Dermaface Stretch Bandage Rolls, Adult	85, 89
020002	Dermaface Stretch Bandage Rolls, Pediatric	85, 91
026641	Cover-Roll Stretch	85
103825	Gauze Squares, 2"X2"	85, 92, 93
016-400800	Gauze squares, 3"X3"	85, 91
EDAID2	Grass Head Measurement Tapes	86
EM3	Marking Pen, China Marker, Blue	86, 92, 93
EM1	Marking Pen, China Marker, Red	86, 91
EM2	Marking Pen, China Marker, White	86
103035	Marking Pen, Surgical Skin Marker, Violet	86
270-401000	Marking Pen, Wet Erase, Blue	86
101432XL	Measurement Tapes, Retractable	86, 88, 89, 90, 91
<b>APPLICATION PRODUCTS - CREAMS, PASTES &amp; GELS</b>		
122-737200	AQUASONIC 100 Ultrasound Transmission Gel	83
EC3	EC3 Conductive Adhesive Gel, 12/pkg	82
101086	SIGNACREME Electrode Cream	82
102340XL	SIGNAGEL Electrode Gel	82, 90
016-401800	SPECTRA 360 Electrode Gel	83
016-703800	Synapse Conductive Electrode Cream	82
024066	Ten20 Conductive Paste, 2oz Tube	82
026525	Ten20 Conductive Paste, Single-Use Cups 0.5oz (15g)	82
1411003	Ten20 Conductive Paste, 4oz Jar	82, 91, 92, 93
122-736000	Ten20 Conductive Paste, 4oz Tube	82
016-703700	Ten20 Conductive Paste, 8oz Jar	82, 90
016-401600	TENSIVE Conductive Adhesive Gel	82
026040	TENSIVE Conductive Adhesive Gel, 12/pkg	82
016-400000	3M One Step Red Dot Skin Prep Abrader Tape	84
<b>APPLICATION PRODUCTS - SKIN PREPS</b>		
444020	Uni-Patch Pre-TENS Skin Prep Wipes	84
016-403300	LemonPrep Abrasive Skin Prepping Lotion, 0.35oz Cup	83
016-401000	LemonPrep Abrasive Skin Prepping Lotion, 4oz Tube	83
024065	NuPrep Skin Prep Gel, 1oz Tube	83
122-736100	NuPrep Skin Prep Gel, 3oz Tube	83, 88, 89, 90, 91
016-703000	Prep Pad, Alcohol	84, 93
016-703200	Electrode Prep Pad	84
016-402900	Waveprep Mildly Abrasive Skin Prep, 0.3oz Cup	83
<b>BAR ELECTRODES</b>		
019-446700	Bipolar Bar Electrode, 10mm Dia., 30mm Spacing, 1.0m Lead	12, 90
019-431400	Bipolar Bar Electrode, 9mm Dia., 30mm Spacing, 0.5m Lead	12
019-401400	Bipolar Bar Electrode, 9mm Dia., 30mm Spacing, 1.0m Lead	12
019-401500	Bipolar Felt Pad Bar Electrode, 30mm Spacing	12
630576	EMG Bar Electrode	12
630571NE	EMG Bar Electrode	12
019-406700	Felt Pad Replacement for Bipolar Felt Pad Bar Electrode	12
901350352	HUSH Bipolar Bar Electrode, 1m Lead	12
019-421000	Snap-On T-Bar Handl	12

Part Number	Description	Page
<b>BIPOLAR STIMULATING PROBES</b>		
9031E0172	Advanced Stimulation Handgrip Electrical Stimulating Probe	9
071-423600	Comfort Probe & Comfort Probe Plus Adult Angled Probe Head	9
071-423500	Comfort Probe & Comfort Probe Plus Adult Straight Probe Head	9
071-423800	Comfort Probe & Comfort Probe Plus Pediatric Angled Probe Head	9
071-423700	Comfort Probe & Comfort Probe Plus Pediatric Straight Probe Head	9
071-500600	Comfort Probe & Comfort Probe Plus Touchproof Probe Head	9
515-016300	Comfort Probe Electrical Stimulating Probe	9
515-018800	Comfort Probe Plus Electrical Stimulating Probe w/ adjustment controls	9
842-11500	Bipolar Stimulation Probe	10
033-406001	Straight Probe Tip Replacement Head	10
033-407100	Angled Probe Tip Replacement Head	10
033-409501	Touchproof Probe Tip Replacement Head	10
9523-7-TP	Hand-Held Bipolar Stimulator Probe with Stainless Steel Tips	10
9541	Replacement Stainless Steel Tips for Hand-Held Bipolar Stimulator Probe	10
101963XL	Reusable Stimulation Probe with Start/Stop Switch	10
019-403800	Small Stimulating Electrode, 1m Lead	10
<b>CANNULAS</b>		
15809	Disposable Cannula Filter	76
020324	Female to Female Luer Lock Adapter	76
1420002	Nasal Pressure Cannula, Adult, 1.75'	74, 92
1420011	Nasal Pressure Cannula, Adult, 4'	74
1420013	Nasal Pressure Cannula, Adult, 6'	74, 92, 93
1420040	Nasal Pressure Cannula, Infant	74
1420030	Nasal Pressure Cannula, Intermediate Infant	74
1420020	Nasal Pressure Cannula, Pediatric, 1'	75
1420050	Nasal Pressure Cannula, Pediatric, 7'	75
1420100	Nasal/Oral Pressure Cannula, Adult, 1'	74
1420101	Nasal/Oral Pressure Cannula, Adult, 7'	74
1420113	ThermiSense Nasal & Gas Sampling Cannula	76
1420125	ThermiSense Nasal & Gas Sampling Cannula, Pediatric	76
1420110	ThermiSense Nasal Cannula w/Filter, 7'	75
1420112	ThermiSense Nasal Cannula, 2'	75
1420111	ThermiSense Nasal Cannula, 7'	75
1420114	ThermiSense Nasal/Oral & Gas Sampling Cannula	75
1450031	Hydrophobic Filter Extension Tube	76
<b>CONCENTRIC NEEDLE ELECTRODES - DISPOSABLE</b>		
9013C0014	Dantec DCN Concentric Needle Holder Cable, 59" (1.5m), 5-Pin DIN Connector	3, 90
901350022	Dantec DCN Disposable Concentric Needle Electrodes, 25mm, 26G, Green	3
901350012	Dantec DCN Disposable Concentric Needle Electrodes, 25mm, 30G, Orange	3, 90
901350032	Dantec DCN Disposable Concentric Needle Electrodes, 37mm, 26G, Blue	3, 90
901350042	Dantec DCN Disposable Concentric Needle Electrodes, 50mm, 26G, Red	3
901350052	Dantec DCN Disposable Concentric Needle Electrodes, 75mm, 23G, Yellow	3
X21001	TECA Elite Concentric Needle Holder Cable, 0.9m, 5-Pin DIN Connector	2, 90
553155	TECA Elite Disposable Concentric Needle Electrodes, 25mm, 26G, Yellow	2
553153	TECA Elite Disposable Concentric Needle Electrodes, 25mm, 30G, Red	2, 90
553156	TECA Elite Disposable Concentric Needle Electrodes, 37mm, 26G, Green	2, 90
553158	TECA Elite Disposable Concentric Needle Electrodes, 50mm, 26G, Blue	2
553159	TECA Elite Disposable Concentric Needle Electrodes, 75mm, 23G, Violet	2

## SUBJECT INDEX

Part Number	Description	Page
<b>CONCENTRIC NEEDLE ELECTRODES - REUSABLE</b>		
019-426200	Dantec Reusable Concentric Needle Electrodes 1" (25mm)	3
019-426500	Dantec Reusable Concentric Needle Electrodes 2.4" (60mm)	3
<b>CONTACT LENS ELECTRODE</b>		
842-216700	Contact Lens Electrode	30
<b>CORKSCREW ELECTRODES</b>		
017505	Disposable Corkscrew Electrode, 1.2m	48, 91
017506	Twisted Pair Corkscrew Electrodes, Disposable	48
<b>CORTICAL STIMULATION PROBE</b>		
222-496100	Natus Disposable Cortical Stimulation Probe	42
<b>CUP ELECTRODES - DISPOSABLE</b>		
019-477300	Grass Disposable Cup Electrode, Ag/AgCl, 1.5m Tangle Free Lead	36
019-477200	Grass Disposable Cup Electrode, Ag/AgCl, 1m Tangle Free Lead	36, 91
019-479200	Grass Disposable Cup Electrode, Ag/AgCl, 2.5m Tangle Free Lead	36
019-477400	Grass Disposable Cup Electrode, Ag/AgCl, 2m Tangle Free Lead	36
017501	Value Line Disposable Deep-Cup Electrodes	36
017502	Value Line Disposable Deep-Cup Electrodes	36
017503	Value Line Disposable Deep-Cup Electrodes	36
017504	Value Line Disposable Deep-Cup Electrodes	36
017429	MR Conditional Cup Electrodes, Disposable	37
017430	MR Conditional Cup Electrodes, Disposable	37
017431	MR Conditional Cup Electrodes, Disposable	37
017432	MR Conditional Cup Electrodes, Disposable	37
017433	MR Conditional Deep Cup Electrodes, Disposable	37
017434	MR Conditional Deep Cup Electrodes, Disposable	37
017435	MR Conditional Deep Cup Electrodes, Disposable	37
017436	MR Conditional Deep Cup Electrodes, Disposable	37
017437	MR Conditional LeadLock Organizer	37
017438	MR Conditional PressOn Electrodes, Disposable	37
017439	MR Conditional PressOn Electrodes, Disposable	37
017440	MR Conditional PressOn Electrodes, Disposable	37
017441	MR Conditional PressOn Electrodes, Disposable	37
023146	Grass Disposable EEG Deep-Cup Electrodes	36
023147	Grass Disposable EEG Deep-Cup Electrodes	36
023148	Grass Disposable EEG Deep-Cup Electrodes	36
023149	Grass Disposable EEG Deep-Cup Electrodes	36
<b>CUP ELECTRODES - REUSABLE</b>		
019-417700	Cup Electrode, Ag/AgCl, 1.5m Tangle Free Lead	35
019-417600	Cup Electrode, Ag/AgCl, 1m Tangle Free Lead	35, 93
019-413900	Cup Electrode, Gold, 1.5m Tangle Free Lead	35
019-414400	Cup Electrode, Gold, 1m Tangle Free Lead	35
019-433800	Cup Electrode, Gold, 2.5m Tangle Free Lead	35
019-772600	Cup Electrode, Gold, 6mm Cup, 1.5m Tangle Free Lead	35
019-772500	Cup Electrode, Gold, 6mm Cup, 1m Tangle Free Lead	35
019-414100	Cup Electrode, Silver, 1.5m Tangle Free Lead	35
019-414600	Cup Electrode, Silver, 1m Tangle Free Lead	35
019-772200	Cup Electrode, Silver, 6mm Cup, 1.5m Tangle Free Lead	35
019-772100	Cup Electrode, Silver, 6mm Cup, 1m Tangle Free Lead	35
F-E6GH-48	Genuine Grass 6mm Cup Electrode, Gold, 48" Lightweight Lead	34
F-E5GH-12	Genuine Grass Cup Electrode, Gold, 12" Lightweight Lead	34
F-E5GH-120	Genuine Grass Cup Electrode, Gold, 120" Lightweight Lead	34
FS-E5GH-120	Genuine Grass Cup Electrode, Gold, 120" No-Tangle Lead	34
F-E5GH-24	Genuine Grass Cup Electrode, Gold, 24" Lightweight Lead	34

Part Number	Description	Page
<b>CUP ELECTRODES - REUSABLE (continued)</b>		
F-E5GH-30	Genuine Grass Cup Electrode, Gold, 30" Lightweight Lead	34
F-E5GH-48	Genuine Grass Cup Electrode, Gold, 48" Lightweight Lead	34, 91
FD-E5GH-48	Genuine Grass Cup Electrode, Gold, 48" Lightweight Lead, Red TP	34
FH-E5GH-48	Genuine Grass Cup Electrode, Gold, 48" Lightweight Lead, Yellow TP	34
FS-E5GH-48	Genuine Grass Cup Electrode, Gold, 48" No-Tangle Lead	34
F-E5GH-60	Genuine Grass Cup Electrode, Gold, 60" Lightweight Lead	34, 91, 92, 93
FD-E5GH-60	Genuine Grass Cup Electrode, Gold, 60" Lightweight Lead, Red TP	34
FH-E5GH-60	Genuine Grass Cup Electrode, Gold, 60" Lightweight Lead, Yellow TP	34
FS-E5GH-60	Genuine Grass Cup Electrode, Gold, 60" No-Tangle Lead	34
F-E5GH-72	Genuine Grass Cup Electrode, Gold, 72" Lightweight Lead	34
FD-E5GH-72	Genuine Grass Cup Electrode, Gold, 72" Lightweight Lead, Red TP	34
FH-E5GH-72	Genuine Grass Cup Electrode, Gold, 72" Lightweight Lead, Yellow TP	34
FS-E5GH-72	Genuine Grass Cup Electrode, Gold, 72" No-Tangle Lead	34
F-E5GH-96	Genuine Grass Cup Electrode, Gold, 96" Lightweight Lead	34
FD-E5GH-96	Genuine Grass Cup Electrode, Gold, 96" Lightweight Lead, Red TP	34
FH-E5GH-96	Genuine Grass Cup Electrode, Gold, 96" Lightweight Lead, Yellow TP	34
FS-E5GH-96	Genuine Grass Cup Electrode, Gold, 96" No-Tangle Lead	34
F-E5SH-48	Genuine Grass Cup Electrode, Silver, 48" Lightweight Lead	34
FH-E5SH-48	Genuine Grass Cup Electrode, Silver, 48" Lightweight Lead, Yellow TP	34
FS-E5SH-48	Genuine Grass Cup Electrode, Silver, 48" No-Tangle Lead	34
FS-E5SH-60	Genuine Grass Cup Electrode, Silver, 60" No-Tangle Lead	34
F-E5SH-72	Genuine Grass Cup Electrode, Silver, 72" Lightweight Lead	34
F-E34DG-48	Genuine Grass Ear Clip Electrode, Gold, 48" Lead	36
F-E34DG-72	Genuine Grass Ear Clip Electrode, Gold, 72" Lead	36
F-E34DS-48	Genuine Grass Ear Clip Electrode, Silver, 48" Lead	36
019-479100	Grass Stamped 6mm Cup Electrode, Gold, 1.5m Tangle Free Lead	35
019-478500	Grass Stamped Cup Electrode, Ag/AgCl, 1.5m Tangle Free Lead	35
019-478400	Grass Stamped Cup Electrode, Ag/AgCl, 1m Tangle Free Lead	35
019-479000	Grass Stamped Cup Electrode, Ag/AgCl, 2.5m Tangle Free Lead	35
019-478900	Grass Stamped Cup Electrode, Ag/AgCl, 2m Tangle Free Lead	35
019-477600	Grass Stamped Cup Electrode, Gold, 1.5m Tangle Free Lead	35, 90
019-477500	Grass Stamped Cup Electrode, Gold, 1m Tangle Free Lead	35
019-477700	Grass Stamped Cup Electrode, Gold, 2.5m Tangle Free Lead	35
019-478600	Grass Stamped Cup Electrode, Gold, 2m Tangle Free Lead	35
019-477900	Grass Stamped Cup Electrode, Silver, 1.5m Tangle Free Lead	35
019-477800	Grass Stamped Cup Electrode, Silver, 1m Tangle Free Lead	35
019-478800	Grass Stamped Cup Electrode, Silver, 2.5m Tangle Free Lead	35
019-478700	Grass Stamped Cup Electrode, Silver, 2m Tangle Free Lead	35
019-405400	Natus Ear Clip Electrode, 6mm Ag/AgCl, 39" Lead	36
019-405500	Natus Ear Clip Electrode, Ag/AgCl, 39" Lead	36

Part Number	Description	Page
<b>DIGITAL RING ELECTRODES</b>		
901350302	Digital Ring Electrode, 1m Cable	14, 90
5032-TP	Digital Ring Electrode, 1m Leads	14, 90
6032-TP	Digital Ring Electrode, 46cm Leads, TP	14
<b>DISC STIMULATING/RECORDING ELECTRODES</b>		
901350402	HUSH Disc Electrodes, 1m Lead	13
630506	Recording Electrodes	13
6030-3-TP	Stainless Steel Disc Electrodes, 1m Separate Leads	13
6030-TP	Stainless Steel Disc Electrodes, 1m Twisted Leads	13, 90
<b>DISINFECTANT WIPES &amp; CLEANERS</b>		
017125	Protex Ultra Disinfectant Wipe - Canister	86
019-473000	PROTEX Disinfectant Wipes	86
122-412700	Zymit Enzyme Cleaner	86
<b>EEG ANCILLARY ITEMS</b>		
105189	ElectroBoot Sleeve, 30"	44
105190	ElectroBoot Sleeve, 48"	44
016-400700	Electrode/Cable Holder	44
105808	The Electrode Claw	44, 91
<b>ELECTRODE CAPS</b>		
021110	23-channel waveguard original cap, Infant	38
021112	23-channel waveguard original cap, Child	38
021113	23-channel waveguard original cap, Small	38
021114	23-channel waveguard original cap, Medium	38
021115	23-channel waveguard original cap, Large	38
021116	64-channel waveguard original cap, Baby	38
021117	64-channel waveguard original cap, Infant	38
021118	64-channel waveguard original cap, Child	38
021119	64-channel waveguard original cap, Small	38
021120	64-channel waveguard original cap, Medium	38
021121	64-channel waveguard original cap, Large	38
HC0016	128-channel waveguard original cap, Large	38
HC0015	128-channel waveguard original cap, Medium	38
HC0014	128-channel waveguard original cap, Small	38
HC0013	128-channel waveguard original cap, Child	38
HC0018	256-channel waveguard original cap, Large	38
HC0017	256-channel waveguard original cap, Medium	38
021122	Chin strap for waveguard head caps	38, 39
021123	Fastfix for waveguard original cap, Touchproof Connector	38
021124	Chin pad for waveguard head caps	38, 39
021125	Blunted Needle 13 mm, Luer Lock	38, 39
021126	Syringe, 10ml, Luer Lock, for gel application	38, 39
021127	Chest belt for waveguard head cap	38, 39
021128	Adapter for waveguard connect head caps;	39
021130	waveguard connect head cap repair kit	39
021131	21-channel waveguard connect cap, Large	39
021132	21-channel waveguard connect cap, Medium	39
021133	21-channel waveguard connect cap, Small	39
021134	21-channel waveguard connect cap, Child	39
021135	21-channel waveguard connect cap, Infant	39
021136	21-channel waveguard connect cap, Baby	39
021304	23-channel waveguard original cap, Baby	38
022390	waveguard Quantum adapter	38
605112	Adhesive Rings	41
019-444000	BraiNet 10/20 Headbox Overlay	41
500-P	BraiNet Original/Baby Headbox Overlay	41
019-439200	BraiNet Template, 10/20, Adult, 57.5-62cm	41
019-439100	BraiNet Template, 10/20, Child, 54.5-57cm	41
019-439000	BraiNet Template, 10/20, Small, 49.5-54cm	41
019-438900	BraiNet Template, 10/20, XSmall, 45.5-49cm	41
019-438400	BraiNet Template, Baby, 25-29cm	41
019-438500	BraiNet Template, Baby, 29.5-33cm	41
019-438600	BraiNet Template, Baby, 33.5-37cm	41
019-438700	BraiNet Template, Baby, 37.5-41cm	41
019-438800	BraiNet Template, Baby, 41.5-45cm	41
022212	BraiNet Template, Original, Adult/Child, 46-54cm	41
022213	BraiNet Template, Original, Adult/Child, 54-62cm	41
085-481300	waveguard connect adapter for Nicolet v32 and v44 amplifiers	39
503171NE	waveguard connect adapter for Schwarzer/Deltamed Brainbox 1042 EEG amplifier	39

ELECTRODE CAPS (continued on next page)

## SUBJECT INDEX

Part Number	Description	Page
<b>ELECTRODE CAPS (continued)</b>		
122-407000	Electro-Gel, 16oz (473ml)	38, 39
122-409100	Electro-Gel, Electro-Gel, 128oz (3785ml)	39
9013E1512	Cable for monopode bridge electrodes, 1m, 2mm spring pin to 1.5mm female TP	40
918300	Cable for monopode bridge electrodes, 1m, 2mm spring pin to 1.5 mm female TP	40
9013E1522	Cable for monopode bridge electrodes, 1m, 2mm spring pin to 1.5mm female TP	40
507104	Covers for Z- and Bridge Electrodes Ø of the covers = 28mm	40
105590	Disposable Disc Electrode Set for BrainNet Original Template	41
019-437400	DVD BrainNet Continuous EEG in ICU	41
019-437300	DVD BrainNet Template Set-Up ICU	41
9013E1712	Ear Clip Electrode, adjustable tension, Ag/AgCl, 1m lead	40
507109	Fixing Cone 14mm inner diameter (for Mushroom and Bridge Electrodes)	40
507105	Fixing Cone 16mm inner diameter (for Z-Electrodes)	40
504710	Forehead Strap Buttons, Short	40
504711	Forehead Strap Buttons, Long	40
9013E1212	Head Cap - Silicone Rubber- Transparent, 18cm Intermediate	40
9013E1122	Head Cap - Silicone Rubber- Transparent, 20cm, Baby	40
9013E1222	Head Cap - Silicone Rubber- Transparent, 22cm Intermediate	40
9013E1132	Head Cap - Silicone Rubber- Transparent, 24cm, Child	40
9013E1232	Head Cap - Silicone Rubber- Transparent, 26cm Intermediate	40
9013E1242	Head Cap - Silicone Rubber- Transparent, 28cm Intermediate	40
9013E1142	Head Cap - Silicone Rubber- Transparent, 30cm, Small Adult	40
999-200000	Head Cap - Silicone Rubber- Transparent, 30cm, Medium Adult	40
9013E1252	Head Cap - Silicone Rubber- Transparent, 32cm Intermediate	40
9013E1262	Head Cap - Silicone Rubber- Transparent, 37cm Intermediate	40
9013E1152	Head Cap - Silicone Rubber- Transparent, 40cm, Large Adult	40
504701	Head Strap 360x14mm	40
9013E1312	Monopode Bridge Electrodes, 2mm pin/crocodile, adult blue	40
9013E1322	Monopode Bridge Electrodes, 2mm pin/crocodile, adult blue	40
9013E1352	Monopode Bridge Electrodes, 2mm pin/crocodile, adult red	40
9013E1362	Monopode Bridge Electrodes, 2mm pin/crocodile, adult red	40
9013E1372	Monopode Bridge Electrodes, 2mm pin/crocodile, child orange	40
9013E1382	Monopode Bridge Electrodes, 2mm pin/crocodile, child orange	40
748040	O-Rings for EEG-Electrodes	40
ADE016	Disposable Sponge disk	40
<b>ELECTRODE LEAD EXTENSIONS, LINKERS/JUMPERS &amp; ADAPTERS</b>		
085-416800	Micrograbber Cable, 2m	52
085-460000	Rhizotomy Hook Cable, 3m	52
019-408400	Touchproof Cable Extension, 1m	52
019-432200	Touchproof Cable Extension, 2m	52
508831	Electrode Leads	43
508832	Electrode Leads	43
508834	Electrode Leads	43
630630	Y cable	43
11250	Jumper/Linker Cable, 18"	43
11224	Jumper/Linker Cable, 24"	43
019-420100	Jumper/Linker Cable, 4"	43
1451034	Jumper/Linker Cable, 5"	42
019-433000	Stackable Jumper/Linker Cables, 20"	42
1451020	Stackable Jumper/Linker Cables, 3"	42, 90
102108	Stackable Jumper/Linker Cables, 6"	42
140420	Touchproof Adapter, 1.5mm F to 2mm M	43
1451010	Touchproof Adapter, 2mm M to 1.5mm F	43
019-431500	Touchproof Extension Cables, 39"	42
019-401100	Touchproof Extension Cables, 79"	42

Part Number	Description	Page
<b>EMG ANCILLARY ITEMS</b>		
630558	Acupuncture Needles	25
515-018300	EMG Needle Holder	25
842-122600	EMG Needle Holder	25
122-739100	Sharps Container, Large, 2 Quart	24
122-739000	Sharps Container, Small, 1 Quart	24
698-621400	Velcro Strap, 55cm Length	25, 90
<b>EMG EDUCATIONAL SERIES SUBSCRIPTION</b>		
023400	Volume I: Electronic Myoanatomic Atlas for Clinical Electromyography	26
023401	Volume II: Electronic Atlas of Electromyographic Waveforms	26
023402	Volume III: Sensory Nerve Conduction Studies	26
023403	Volume IV: Motor Nerve Conduction Study and Late Responses	26
023404	Volume V: Basic Nerve Conduction Studies	26
023405	Volume VI: Electrodiagnostic Evaluation of the Foot	26
023406	Volume VII: Electrodiagnostic Evaluation of Ulnar Neuropathy	26
023407	Volume VIII: Uncommon Nerve Conduction Studies	26
023408	Volume IX: Electrodiagnostic Evaluation of Carpal Tunnel Syndrome	26
023409	Volume X: Single Fiber Electromyography	26
023410	Volume XI: Basic Evoked Potentials	26
023411	Volume XII: Repetitive Nerve Stimulation	26
023412	Essential EDX: Volume I. Instrumentation: Principles and Practice	26
023413	Essential EDX: Volume II. Interstitial and Spontaneous Activity	26
023414	Institutional License for Teaching Institutes	26
<b>HANDHELD DEVICE FOR EMG/STIM-GUIDED INJECTIONS</b>		
9015A0012	Dantec Clavis	7
<b>EP GOGGLES &amp; HEADPHONES</b>		
005031	Protector32 LED Goggles	31
005032	Protector32 Headphones	31
9031E0258	Dantec Keypoint Calibrated Headphones	31
9031E0223	Dantec Keypoint Goggles	31
842-106504	Nicolet Viking Goggles	31
842-202300	Nicolet Viking Shielded Headphones	31
842-202700	Nicolet Viking Unshielded Headphones	31
<b>FINGER CLIP ELECTRODE</b>		
019-429300	Finger Clip Electrode, 60cm Lead	15
<b>GEL WARMERS</b>		
222-515500	Thermasonic Gel Warmer, 110V	87
222-515600	Thermasonic Gel Warmer, 220V	87
<b>GROUND ELECTRODES - REUSABLE</b>		
019-401200	Disc Ground Electrode, 0.75m Lead	13, 90
901350714	Ground Velcro Strap Electrode, 10cm x 15mm	13
901350735	Ground Velcro Strap Electrode, 18.5cm x 20mm	13, 90
901350775	Ground Velcro Strap Electrode, 45cm x 20mm	13
901350745	Ground Velcro Strap Electrode, 75cm x 20mm	13
019-405900	Ground Velcro Strap Electrode, Adult, 54cm x 20mm, 1.25m Lead	13
019-415900	Ground Velcro Strap Electrode, Pediatric, 24cm x 20mm, 1.25m Lead	13
<b>HANDHELD FELT PAD STIMULATING ELECTRODES</b>		
102227	Felt Pad Replacement for Handheld Felt Pad Stimulating Electrode	11
9013L3522	Felt Pad Replacement for Handheld Felt Pad Stimulating Electrode, 7.5mm	11
630591	Gold Plated Metal Inserts, concave	11
630584NE	Gold Plated Metal Inserts, convex	11
9013L0362	Handheld Felt Pad Stimulating Electrode, 23mm Spacing	11, 90
102733	Handheld Felt Pad Stimulating Electrode, 30mm Spacing	11
630575	Handheld Felt Pad Surface Stimulating Electrode	11
630588	Handheld Felt Pad Surface Stimulating Electrode	11
630583NE	Handheld Felt Pad Surface Stimulating Electrode	11
517102	Replacement Felt Pads	11
<b>HOOK-WIRE ELECTRODES</b>		
019-475400	Disposable Hook-Wire Electrode, Paired	48
019-475300	Disposable Hook-Wire Electrode, Single	48

Part Number	Description	Page
<b>INJECTABLE NEEDLE ELECTRODES</b>		
901350432	Bo-ject DHN Disposable Hypodermic Needle Electrode, 25mm, 27G, Pink	6
901350422	Bo-ject DHN Disposable Hypodermic Needle Electrode, 25mm, 30G, Tan	6
901350472	Bo-ject DHN Disposable Hypodermic Needle Electrode, 37mm, 26G, Brown	6
901350442	Bo-ject DHN Disposable Hypodermic Needle Electrode, 37mm, 27G, Light Blue	6, 90
901350452	Bo-ject DHN Disposable Hypodermic Needle Electrode, 50mm, 25G, Gray	6, 90
901350462	Bo-ject DHN Disposable Hypodermic Needle Electrode, 75mm, 22G, Light Green	6
019-451400	Luer Lock Syringe 1ml	7
019-451600	Luer Lock Syringe 3ml	7
019-479400	Luer Lock Syringe 1ml	7
MJT-2527-LL	TECA Myoject Disposable Injectible Needle Electrode, 25mm, 27G, Yellow	6
MJT-2530-LL	TECA Myoject Disposable Injectible Needle Electrode, 25mm, 30G, Red	6
MJT-3726-LL	TECA Myoject Disposable Injectible Needle Electrode, 37mm, 26G, Green	6
MJT-3727-LL	TECA Myoject Disposable Injectible Needle Electrode, 37mm, 27G, Orange	6
MJT-5025-LL	TECA Myoject Disposable Injectible Needle Electrode, 50mm, 25G, Blue	6
MJT-7522-LL	TECA Myoject Disposable Injectible Needle Electrode, 75mm, 22G, Violet	6
<b>INLINE RF FILTER</b>		
019-421500	Inline RF Filter	52
<b>MONOPOLAR NEEDLE ELECTRODES - DISPOSABLE</b>		
101192	Disposable Monopolar Needle Electrode w/61cm Lead, 44mm, 27G, Purple	5
101194	Disposable Monopolar Needle Electrode w/61cm Lead, 75mm, 25G, Gray	5
019-474800	Disposable Monopolar Needle Electrode w/74cm Lead, 20mm, 28G, Red	5
019-474900	Disposable Monopolar Needle Electrode w/74cm Lead, 25mm, 27G, Yellow	5
019-475100	Disposable Monopolar Needle Electrode w/74cm Lead, 37mm, 26G, White	5
019-475000	Disposable Monopolar Needle Electrode w/74cm Lead, 37mm, 27G, Green	5
019-475200	Disposable Monopolar Needle Electrode w/74cm Lead, 50mm, 26G, Blue	5
902-DMG25-TP	TECA Disposable Monopolar Needle, 25mm, 26G, Yellow	4
902-DMF25-TP	TECA Disposable Monopolar Needle, 25mm, 28G, Red	4
902-DMG37-TP	TECA Disposable Monopolar Needle, 37mm, 26G, Green	4
902-DMF37-TP	TECA Disposable Monopolar Needle, 37mm, 28G, Orange	4
902-DMG50-TP	TECA Disposable Monopolar Needle, 50mm, 26G, Blue	4
902-DMG75-TP	TECA Disposable Monopolar Needle, 75mm, 26G, Violet	4
902-DMG25-S	TECA Elite Disposable Monopolar Needle, 25mm, 26G, Yellow	4
902-DMF25-S	TECA Elite Disposable Monopolar Needle, 25mm, 28G, Red	4
902-DMG37-S	TECA Elite Disposable Monopolar Needle, 37mm, 26G, Green	4
902-DMF37-S	TECA Elite Disposable Monopolar Needle, 37mm, 28G, Orange	4, 90
902-DMG50-S	TECA Elite Disposable Monopolar Needle, 50mm, 26G, Blue	4
902-DMG75-S	TECA Elite Disposable Monopolar Needle, 75mm, 26G, Violet	4
902-RLC-TP	TECA Lead Cable for Disposable Monopolar Needles, 24" (61cm)	4
<b>MULTI-MEDIA TRAINING MATERIAL &amp; EDUCATIONAL AIDS</b>		
EDAID1	Grass Frequency Ruler	44
EDBOOK1	International 10-20 System of Electrode Placement Book	44
EDCHART1	International 10-20 System of Electrode Placement Chart	44
<b>NASOPHARYNGEAL-BALL/PEDICLE SCREW ELECTRODES</b>		
019-404800	Ball/Pedicle Screw Electrode, 100mm, Gold	49
019-404900	Ball/Pedicle Screw Electrode, 150mm, Gold	49
019-416500	Ball/Pedicle Screw Electrode, 150mm, Silver	49
019-416700	Ball/Pedicle Screw Electrode, 150mm, Ag/AgCl	49
023045	Lantern laryngeal electrode, 8/9mm	49
023046	Lantern laryngeal electrode, 6/7mm	49
023047	Lantern laryngeal electrode, 4/5mm	49
023048	Reusable connection cable	49



## SUBJECT INDEX

Part Number	Description	Page
<b>OPTIONAL CABLES &amp; ADAPTERS</b>		
902-EX-TP	Extension Cable for Monopolar Needles, 61cm	23
9013C0232	HUSH 3-in-1 Shielded Alligator-Clip Cable, 1m	22, 90
9013P0602	HUSH Alligator-Clip Lead, 80cm Lead (Green)	22
9013P0642	HUSH Alligator-Clip Lead, 80cm Lead (Red)	22
9013C0312	HUSH Yoke Cable, 1.5m	23
9013C0302	HUSH Yoke Cable, 1.5m, 5-Pin Right-Angle DIN Connector	23
9013C0402	HUSH Yoke Cable, 10cm	23
9013C0422	HUSH Yoke Cable, 4m, 5-Pin Right Angle DIN Connector	23
085-417401	Natus Concentric Cable Adapter, 15.2cm	23
W6179H	Shielded 3-in-1 Extension Cable	22
102608	Shielded 3-in-1 Monopolar Acquisition Cable, 0.6m	22
902-SLC	Shielded Monopolar Cable, 61cm	22, 90
2002-TP	Shuttle Cable, 61cm	22
9013P0283	Touchproof to 5-Pin DIN Adapter Cable	23
<b>OXIMETRY</b>		
104513	Masimo Disposable Petite Wrap	73
104514	Masimo Disposable Standard Wrap	73
008781	Masimo LNCS Adhesive Sensor w/Cable, Adult	73
008783	Masimo LNCS Adhesive Sensor w/Cable, Infant	73
008782	Masimo LNCS Adhesive Sensor w/Cable, Pediatric	73
008784	Masimo LNCS Finger Clip Sensor, Adult	73
008785	Masimo LNCS Finger Clip Sensor, Pediatric	73
008776	Masimo LNCS Patient Cable	73
008777	Masimo LNCS Soft Sensor	73
008786	Masimo LNCS Y-I Multisite Sensor	73
026513	Nonin Disposable PureLight Cloth Sensor, Adult	72
026514	Nonin Disposable PureLight Cloth Sensor, Pediatric	72
026515	Nonin Disposable PureLight Cloth Sensor, Infant	72
026516	Nonin Disposable PureLight Cloth Sensor, Neonate/Adult	72
026519	Nonin Disposable PureLight Durafoam Sensor Standard	72
026520	Nonin Disposable PureLight Durafoam Sensor, Small	72
103847	Masimo LNOP Patient Cable	73
105720XL	Nonin Disposable Sensor, Adult	72
1431020	Nonin Finger Clip Sensor, Adult	71
1431000	Nonin Flex Sensor, Adult, 1m	72, 92
1431002	Nonin Flex Sensor, Adult, 3m	72, 92
1431010	Nonin Flex Sensor, Neonatal	72
1431011	Nonin Flex Sensor, Pediatric	72
1431500	Nonin FlexiWraps, Adult	72, 92
1431501	Nonin FlexiWraps, Neonatal	72
1431502	Nonin FlexiWraps, Pediatric	72
1430500	Nonin Sensor Extension Cable, 1m	71
222-490300	Nonin Sensor Extension Cable, 3m	71
222-490400	Nonin Sensor Extension Cable, 6m	71
1431005	Nonin Soft Sensor, Large, 1m	71
105593	Nonin Soft Sensor, Large, 3m	71
1431004	Nonin Soft Sensor, Medium, 1m	71
105592	Nonin Soft Sensor, Medium, 3m	71
1431003	Nonin Soft Sensor, Small, 1m	71
1430000	Nonin Xpod Oximeter, Embla	71
011291	Nonin Xpod Oximeter, Embletta MPR	71
842-674200	Nonin Xpod Oximeter, Nicolet	71
013400	Nonin Xpod Sensor Belt Clip	71
1431530	Nonin Xpod Sensor Clip	71
<b>PROBES - DISPOSABLE</b>		
017507	Ball Tip Direct Nerve Stimulator Probe, Disposable	50
017509	Bipolar Direct Nerve Stimulator Probe, Disposable	50
017508	Concentric Direct Nerve Stimulator Probe – Adjustable Tip, Disposable	50
CEDL-1PDINX-000	Disposable Epidural Spinal Electrode	50
017510	Flush Tip Direct Nerve Stimulator Probe, Disposable	50
017511	Monopolar Direct Nerve Stimulator Probe, Disposable	50
017512	Right Angle Double Hook Probe, Disposable	51
017513	Double Hook Nerve Stimulator Probe – 100 degree, Disposable	51
017514	Triple Hook Nerve Stimulator Probe – 100 degree, Disposable	51
<b>TENDON (REFLEX) HAMMER</b>		
842-116700	Tendon (Reflex) Hammer	24
9031E0402	Tendon (Reflex) Hammer	24
<b>ST. MARK'S PUDENDAL NCS ELECTRODE CABLE</b>		
9013L0322	St. Mark's Pudendal NCS Electrode Cable, 2m	15
<b>SCALP NEEDLE ELECTRODES</b>		
9013R0313	Disposable Scalp Needle Electrodes	47, 90

Part Number	Description	Page
<b>SENSORY NEEDLE ELECTRODES</b>		
9013C0242	Dantec Electrode Cable, Unshielded, 2m	8
9013C0152	Dantec Electrode Cable, Unshielded, 80cm	8
9013C0132	Multi Use Cable, 1m	8
9013C0142	Multi Use Cable	8
9013C0112	HUSH Shielded Cable for Sensory Needle Electrode, 1m	8
9013C0122	HUSH Shielded Cable for Sensory Needle Electrode, 2m	8
<b>SINGLE FIBER NEEDLE ELECTRODES</b>		
085-444700	Natus Needle Holder for Single Fiber Needles	8
019-425900	Natus Reusable Indicator Single Fiber Needles, 25mm, 27G	8
<b>SLEEP ANCILLARY SUPPLIES</b>		
026459	Two 1.5mm Female safety connectors to Male Key Connector	80
1451056	1.5mm to Key Adapter	80
<b>SLEEP SENSORS - AIRFLOW</b>		
ACE131	Thermocouple Flow Sensor, Pediatric	62
ACE171	Ultima Thermistor Airflow Sensor, Pediatric	65
ACE176	Thermocouple Flow Sensor, Infant	62
005890	Ultima Thermistor Airflow Sensor, Adult	65
023121	ThermoCan Interface Cable, Touchproof Connector	63
023122	ThermoCan Interface Cable, Key Connector	63
023123	ThermoCan Thermal Cannula, Pediatric	63
023124	ThermoCan Thermal Cannula, Pediatric	63
026499	FM2 TriplePlay Airflow Disposable Sensor Cable, Touchproof Connector	65
026500	FM2 TriplePlay Airflow Disposable Sensor Cable, Key Connector	65
026501	FM2 TriplePlay Airflow Disposable Sensor, Neonate, 10/pkg	65
026502	FM2 TriplePlay Airflow Disposable Sensor, Neonate, 50/pkg	65
026503	FM2 TriplePlay Airflow Disposable Sensor, Infant, 10/pkg	65
026504	FM2 TriplePlay Airflow Disposable Sensor, Infant, 50/pkg	65
026505	FM2 TriplePlay Airflow Disposable Sensor, Pediatric, 10/pkg	65
026506	FM2 TriplePlay Airflow Disposable Sensor, Pediatric, 50/pkg	65
026507	FM2 TriplePlay Airflow Disposable Sensor, Small, 10/pkg	65
026508	FM2 TriplePlay Airflow Disposable Sensor, Small, 50/pkg	65
026509	FM2 TriplePlay Airflow Disposable Sensor, Medium, 10/pkg	65
026510	FM2 TriplePlay Airflow Disposable Sensor, Medium, 50/pkg	65
026511	FM2 TriplePlay Airflow Disposable Sensor, Large, 10/pkg	65
026512	FM2 TriplePlay Airflow Disposable Sensor, Large, 50/pkg	65
026453	Ultima cTherm Cannula Thermistor Airflow Temperature Sensor, Key Connector	64
026454	BreathSensor Cable, Touchproof Connector	64
4140069	BreathSensor Cable	64
1420446	BreathSensor Cable, Embla Key	64
1420447	BreathSensor Cable, 23", Embla Key	64
1420448	BreathSensor Cable, 78", Embla Key	64
105750	CannuTherm Replacement Cannula	63
105778	CannuThermTM Integrated Thermal/Pressure Sensor	63
4140118	Disposable BreathSensor Airflow Thermistor, Adult	64
4140119	Disposable BreathSensor Airflow Thermistor, Child & Small Adult	64
4140121	Disposable BreathSensor Airflow Thermistor, Infant	64
4140120	Disposable BreathSensor Airflow Thermistor, Preemie	64
1420124	ThermiSense Sensor Kit, Adult	65
1420129	ThermiSense Sensor Kit, Adult	65
1420126	ThermiSense Sensor Kit, Pediatric	65
1420127	ThermiSense Sensor Kit, Pediatric	65
1401G-H	Thermistor Airflow Sensor for Cannula	62, 93
1413G	Thermocouple Airflow Sensor	62
1421-H	Thermistor Airflow Sensor for Cannula, Grass Key	62
019-480200	Thermocouple Airflow Sensor, 1 channel	62
019-480600	Thermistor Airflow Sensor, 1 channel	63
019-480400	Thermistor Airflow Sensor, 1 channel, Embla	63
1420430	Thermistor Airflow Sensor, 1 channel, Embla Key	63, 92
1420435	Thermistor Airflow Sensor, 1 channel, Embla Key	63, 92
019-481000	Thermistor Airflow Sensor, 2 channel	62

Part Number	Description	Page
<b>SLEEP SENSORS - AIRFLOW (continued)</b>		
500102	ThermoCan Interface Cable, Key Connector	63
500103	ThermoCan Interface Cable, Key Connector	63
500101	ThermoCan Interface Cable, Touchproof Connector	63
500104	ThermoCan Thermal Cannula, Adult	63
500105	ThermoCan Thermal Cannula, Adult	63
1401G	Thermocouple Airflow Sensor, 1 channel	62
019-480800	Thermocouple Airflow Sensor, 2 channel	62
019-480900	Thermocouple Airflow Sensor, Pediatric, 2 channel	62
1420406	Thermocouple Flow Sensor, Pediatric	62
<b>SLEEP SENSORS - BODY POSITION</b>		
1440010	AC Body Position Sensor	70
019-406500	AC Body Position Sensor	70
ACE119	DC Body Position Sensor	70
1440011	DC Body Position Sensor	70
019-480000	DC Body Position Sensor	70
019-479900	DC Body Position Sensor, Embla 1/8" Plug	70
026455	Ultima Body Position Sensor	70
1440021	DC Body Position Sensor, Embla Key	70
019-481300	DC Body Position Sensor, Grass 1/8" Plug	70
1574-KIT	DC Body Position Sensor, Grass Key	70
022343	Body Positioning Pod, 3D Type	70
<b>SLEEP SENSORS - LIMB MOVEMENT</b>		
ACE146	Limb Movement Sensor Kit, Touchproof Connector,	69
1770G-KIT	Limb Movement Sensor, Touchproof Connector,	69
1773-KIT	Limb Movement Sensor, Grass Key	69
<b>SLEEP SENSORS - PRESSURE FLOW/SNORE</b>		
4140094	AC Pressure/Snore Sensor	68, 93
14838-KIT	AC Pressure/Snore Sensor, Grass Key	68
1420117	CPAP Pressure Tube, 200cm	69, 92, 93
1420116	CPAP Pressure Tube, 60cm	69, 92
1420218	Double CPAP pressure tube	69
1420221	CPAP Flow Adapter	69
14832	DC Pressure/AC Snore Sensor, Grass Key	68
019-479500	Multi-Press AC/DC Pressure Flow/Snore Sensor	68
636060NE	Ultima Dual Pressure Flow/Snore Sensor	68
636062NE	Ultima Dual Pressure Flow/Snore Sensor Cable	68
<b>SLEEP SENSORS - RESPIRATORY EFFORT, PIEZO</b>		
1421101	Piezo Resp Effort Belt, Large, Double Buckle, Embla	61
1421100	Piezo Resp Effort Belt, Large, Double Buckle, Embla	61
1370G-KIT	Piezo Resp Effort Belt, Large, Double Buckle, Grass	61
1421102	Piezo Resp Effort Belt, Large, Double-Buckle	61
019-479600	Piezo Resp Effort Belt, Large/XL, Double Loop	61
ACE116	Piezo Resp Effort Belt, Large/XL, Velcro Tab, Grass	61
1388G-KIT	Piezo Resp Effort Belt, Small/Pediatric, Velcro Tab, Grass	61
005732	Piezo Resp Effort Sensor, Infant, Beltless	59
026450	PVDF Sensor - Double Buckle	59
026451	Replacement Double-Buckle Effort Belt	59
026460	FastTrack Disposable Respiratory Effort System Pediatric, Touchproof Connector	59
026461	FastTrack Disposable Respiratory Effort System Adult, Touchproof Connector	59
026462	FastTrack Disposable Respiratory Effort System Pediatric, Key Connector	59
026463	FastTrack Disposable Respiratory Effort System Adult, Key Connector	59
026464	FastTrack Replacement Belt/Sensor Pack, Pediatric, Touchproof Connector, 1 Pack of 2	59
026465	FastTrack Replacement Belt/Sensor Pack, Pediatric, Touchproof Connector, 20 Pack/Box	59
026466	FastTrack Replacement Belt/Sensor Pack, Pediatric, Touchproof Connector, 40 Pack/Box	59
026467	FastTrack Replacement Belt/Sensor Pack, Adult, Touchproof Connector, 1 Pack of 2	59
026468	FastTrack Replacement Belt/Sensor Pack, Adult, Touchproof Connector, 20 Pack/Box	59
026469	FastTrack Replacement Belt/Sensor Pack, Adult, Touchproof Connector, 40 Pack/Box	59
026470	FastTrack Touchproof Connector interface	59
026471	FastTrack Key Connector interface	59
<b>SLEEP SENSORS - RESPIRATORY EFFORT, PIEZO (continued on next page)</b>		

## SUBJECT INDEX

Part Number	Description	Page
<b>SLEEP SENSORS - RESPIRATORY EFFORT, PIEZO (continued)</b>		
026472	Perfect Fit3D Sensors/Effort Belt Strap, Touchproof Connector	60
026473	Perfect Fit3D Sensors/Effort Belt Strap, Touchproof Connector, Adult, SUM	60
026474	Perfect Fit3D Sensors/Effort Belt Strap, Key Connector, Embla	60
026475	Perfect Fit3D Sensors/Effort Belt Strap, Key Connector, Embla N7000	60
026476	Perfect Fit3D Replacement Effort Belt Sensor, Abdomen, Touchproof Connector	60
026477	Perfect Fit3D Replacement Effort Belt Sensor, Chest, Touchproof Connector	60
026478	Perfect Fit3D Replacement Effort Belt Sensor, Abdomen, Touchproof Connector, SUM	60
026479	Perfect Fit3D Replacement Effort Belt Sensor, Chest, Touchproof Connector, SUM	60
026480	Perfect Fit3D Replacement Effort Belt Sensor, Abdomen, Embla, Key Connector	60
026481	Perfect Fit3D Replacement Effort Belt Sensor, Chest, Embla, Key Connector	60
026482	Perfect Fit3D Replacement Effort Belt Sensor, Abdomen, Embla N7000, Connector	60
026483	Perfect Fit3D Replacement Effort Belt Sensor, Chest, Embla N7000, Key Connector	60
026484	Perfect Fit3D Replacement Effort Belt Strap, 50 yard roll	60
026485	Perfect Fit3D Replacement Effort Belt Strap, Five 50 yard rolls	60
<b>SLEEP SENSORS - RESPIRATORY EFFORT, RIP</b>		
019-481100	Adjustable RIP Kit, Adult	58
019-481200	Adjustable RIP Belt Only, Adult	58
4140088	RIP Belt, Adult Large	58
4140087	RIP Belt, Adult XL	58
4140114	RIP Belt, Adult XXL	58
4140090	RIP Belt, Infant Small	58
4140089	RIP Belt, Pediatric Medium	58
4140095	RIP Interface Cable, Abdomen	58
9131	RIP Interface Cable, Abdomen, Grass Key	58
9101G	RIP Interface Cable, Abdomen, Grass TP	58
4140096	RIP Interface Cable, Chest	58
9132	RIP Interface Cable, Chest, Grass Key	58
9102G	RIP Interface Cable, Chest, Grass TP	58
1421000	XactTrace Cut-To-Fit Belt Material	55, 56
1451070	XactTrace Extension Cable, Abdomen	56
1451072	XactTrace Extension Cable, Thorax	56
1421020	XactTrace Lock - Abdomen	55, 56
1421021	XactTrace Lock - Abdomen EBG	56
1421022	XactTrace Lock - Thorax	55, 56
1421023	XactTrace Lock - Thorax EBG	56
011520	XactTrace Pre-Sized Single Use Belt, Large	56, 57
011518	XactTrace Pre-Sized Single Use Belt, Medium	56, 57, 92, 93
011516	XactTrace Pre-Sized Single Use Belt, Pediatric	56, 57
011517	XactTrace Pre-Sized Single Use Belt, Small	56, 57
1421036	XactTrace Reusable Belt - Large Abdomen	55
<b>SLEEP SENSORS - RESPIRATORY EFFORT, RIP (continued)</b>		
1421044	XactTrace Reusable Belt - Large Abdomen	55
1421043	XactTrace Reusable Belt - Large Thorax	55
1421037	XactTrace Reusable Belt - Large Thorax	55
1421034	XactTrace Reusable Belt - Medium Abdomen	54, 92
1421039	XactTrace Reusable Belt - Medium Abdomen	55, 92
1421035	XactTrace Reusable Belt - Medium Thorax	54, 92
1421038	XactTrace Reusable Belt - Medium Thorax	55, 92
1421032	XactTrace Reusable Belt - Small Abdomen	54
1421042	XactTrace Reusable Belt - Small Abdomen	55
1421033	XactTrace Reusable Belt - Small Thorax	54
1421041	XactTrace Reusable Belt - Small Thorax	55, 56, 93
1421048	XactTrace RIP Processor, Abdomen	55, 56, 93
1421047	XactTrace RIP Processor, Thorax	55, 56, 93
013224	XactTrace Snap Sensor Cable, Abdomen	57, 92
013225	XactTrace Snap Sensor Cable, Thorax	57, 92
011521	XactTrace Snap Sensor for Pre-Sized Single Use Belt, Abdomen	56, 57, 92, 93
011522	XactTrace Snap Sensor for Pre-Sized Single Use Belt, Thorax	56, 57, 92, 93
1421040	XactTrace Universal Belt	54
1451080	XactTrace Universal Cable	54
1421050	XactTrace Universal Cut-To-Fit Kit, Abdomen	55
1421052	XactTrace Universal Cut-To-Fit Kit, Complete	55
1421051	XactTrace Universal Cut-To-Fit Kit, Thorax	55
1421080	XactTrace Universal Kit - Abdomen	54
1421091	XactTrace Universal Kit - Complete	54, 93
1421081	XactTrace Universal Kit - Thorax	54
1421026	XactTrace Universal Snap Sensor - Abdomen	54
1421027	XactTrace Universal Snap Sensor - Thorax	54

Part Number	Description	Page
<b>SLEEP SENSORS - SNORE</b>		
ACE172	Ultima Snore Microphone	67
019-480300	Dynamic Microphone Snoring Sensor	67
026456	Ultima Q-Snor Kit	67
026458	Ultima Snore Sensor	66
026486	AccuSnore Disposable Snore Sensor, Large, 10/pkg	66
026487	AccuSnore Disposable Snore Sensor, Large, 50/pkg	66
026488	AccuSnore Disposable Snore Sensor Reusable Interface Cable	66
1200G	Dynamic Microphone Snoring Sensor	67
1420610	Piezo Snore Sensor	66, 93
1420615	Piezo Snore Sensor	66
1420600	Piezo Snore Sensor, Embla Key	66, 92
1420605	Piezo Snore Sensor, Embla Key	66, 92
019-479700	Piezo Snore Sensor, Xltek	66
<b>SNAP ELECTRODE LEADS &amp; CABLES</b>		
019-424500	Snap Electrode Lead Wire pair, 1.5m	78
019-419000	Snap Electrode Lead Wire Set, 1.0m	78
019-419100	Snap Electrode Lead Wire Set, 1.4m	78
019-419200	Snap Electrode Lead Wire Set, 2.0m	78
019-419300	Snap Electrode Lead Wire Set, 3.0m	78
026490	Reusable Snap Lead Pairs for EMG, 48" (1.22m), 2/pkg	78
026491	Reusable Snap Lead Pairs for EMG, 48" (1.22m), 20/pkg	78
026492	Reusable Snap Lead Pairs for EMG, 60" (1.52m), 2/pkg	78
026493	Reusable Snap Lead Pairs for EMG, 60" (1.52m), 20/pkg	78
026494	Reusable Snap Lead Pairs for EMG, 100" (2.54m), 2/pkg	78
026495	Reusable Snap Lead Pairs for EMG, 100" (2.54m), 20/pkg	78
026496	Reusable Snap Lead Pairs for EMG, 120" (3.05m), 2/pkg	78
026497	Reusable Snap Lead Pairs for EMG, 120" (3.05m), 20/pkg	78
1411548	Snap Electrode Leads, 0.6m, Green	79, 91
1411541	Snap Electrode Leads, 0.6m, Red	79, 91
1411542	Snap Electrode Leads, 0.75m, Black	79, 91
1411520	Snap Electrode Leads, 1.5m, Black	79
1411516	Snap Electrode Leads, 1m, Green	79
1411517	Snap Electrode Leads, 1m, Orange	78
1411524	Snap Electrode Leads, 2m, Orange	78, 90
1411535	Snap Electrode Leads, 3m, Black	79, 90
1411530	Snap Electrode Leads, 3m, Black/White	79, 90
F-SL48	Snap Electrode Leads, 48"	79, 93
F-SL60	Snap Electrode Leads, 60"	79, 92, 93
F-SL72	Snap Electrode Leads, 72"	79
F-SL96	Snap Electrode Leads, 96"	79, 92, 93
F-SL120	Snap Electrode Leads, 120"	79
085-452500	Snap Electrode Shielded Cable, 2 Snap, 1.5m	78
<b>ST. MARK'S PUDENDAL NCS ELECTRODES</b>		
9013L4402	St. Mark's Pudendal NCS Electrode	15
<b>STARTER KITS</b>		
012643	Sleep Supplies Starter Kit for Embletta MPR ST+ Proxy	93
018614	Routine EEG Supplies Starter Kit	91
018615	EEG ICU Supplies Starter Kit	91
018616	EEG Ambulatory/LTM Supplies Starter Kit	91
018617	Sleep Supplies Starter Kit for Embla S4000/S4500 Systems	92
018618	Sleep Supplies Starter Kit, Embla N7000	92
018619	Sleep Supplies Starter Kit for Non-Embla Systems	93
018620	IOM Supplies Starter Kit	91
018621	EMG Supplies Starter Kit	90
021822	Sleep Supplies Starter Kit with Reusable XactTrace for Embla S4000/S4500	92
021823	Sleep Supplies Starter Kit with Reusable XactTrace for Embla N7000	92
021825	Sleep Supplies Starter Kit with Reusable XactTrace for Non-Embla Systems	93
901350164	EMG/NCS Supplies Starter Kit, Dantec System	90
901350182	EMG Supplies Starter Kit, Dantec Clavis	90

Part Number	Description	Page
<b>STRIP &amp; GRID ELECTRODES</b>		
MS04N-LP10X-0JF	Disposable 4-Contact Strip Electrodes	48
FG08A-LP10X-0JF	Disposable 8-Contact Grid Electrodes	48
MS08N-LP10X-0JF	Disposable 8-Contact Strip Electrodes	48
<b>SUBDERMAL NEEDLE ELECTRODES</b>		
F-E2-12	Genuine Grass Platinum Subdermal Needle Electrode, 10 Color, 12"	47
F-E2-24	Genuine Grass Platinum Subdermal Needle Electrode, 10 Color, 24"	47
F-E2-30	Genuine Grass Platinum Subdermal Needle Electrode, 10 Color, 30"	47
F-E2-48	Genuine Grass Platinum Subdermal Needle Electrode, 10 Color, 48"	47
F-E2-72	Genuine Grass Platinum Subdermal Needle Electrode, 10 Color, 72"	47
019-475900	Natus Classic Disposable Subdermal Needle Electrode, 6 Color, 1.5m	46
019-475800	Natus Classic Disposable Subdermal Needle Electrode, 6 Color, 1m	46
019-476000	Natus Classic Disposable Subdermal Needle Electrode, 6 Color, 2.5m	46
103031	Natus Disposable Subdermal Needle Electrodes, Twisted Pair, 1.5m	47
019-475700	Natus Disposable Subdermal Needle Electrodes, Twisted Pair, 2m	47, 91
019965	Natus Disposable Subdermal Needle Electrodes, Twisted Pair, 2.5m	47
019-476900	Natus Ultra Disposable Subdermal Needle Electrode, 12 Color, 1.5m	46
019-476700	Natus Ultra Disposable Subdermal Needle Electrode, 12 Color, 1m	46
019-477100	Natus Ultra Disposable Subdermal Needle Electrode, 12 Color, 2.5m	46
019-476800	Natus Ultra Disposable Subdermal Needle Electrode, 6 Color, 1.5m	46, 91
019-476600	Natus Ultra Disposable Subdermal Needle Electrode, 6 Color, 1m	46
019-477000	Natus Ultra Disposable Subdermal Needle Electrode, 6 Color, 2.5m	46
<b>TEMPERATURE PROBES &amp; ELECTRODES</b>		
123-401600	Disposable Adhesive Mini-Temp Hearts for Flexible Surface Temp. Probe	24
019-406000	Disposable Adhesive Temperature Electrode	24
268-411800	Flexible Surface Temperature Probe w/1.9m Cable	24
040D040	Temperature Probe with Ferrite	24
<b>TUBAL INSERT PHONES (TIPS) &amp; SUPPLIES</b>		
842-202600	Bone Vibrator Transducer	30
1700-9605	Disposable Foam Ear Tips, 10mm	29
1700-9604	Disposable Foam Ear Tips, 13mm	29
103342	Disposable Foam Ear Tips, 18mm	29
51022	Eartips, Adult	30
51021	Eartips, Child	30
51020	Eartips, Infant	30
51019	Eartips, Neonatal	30
51023	Eartips, Premature	30
019-746802	Gold TIPtrode, 10mm	29
019-741901	Gold TIPtrode, 13mm	29
9031E0277	Left & Right Tubal Insert Phones (TIPs), Dantec	28
1700-9686	Nubbies for Replacement Tubes	29
019-411200	Replacement Clear Silicone Tubes	29
842-507300	Replacement Ear Tips, 3.5mm	29
842-507400	Replacement Ear Tips, 4.0mm	29
842-507500	Replacement Ear Tips, 5.0mm	29
019-428400	Replacement Impedance Adapter Tip	29
1700-9688	Replacement Red/Blue Silicone Tubes	29
085-746400	Replacement TIPs Cable, Nicolet	28
085-415000	TIPtrode Cable, 250mm	29
041-704000	Tubal Insert Phones (TIPs) Kit, Nicolet	28
10250	Tubal Insert Phones (TIPs) Kit, Xltek	28
005562	Tubal Insert Phones (TIPs) Kit, Protektor32	28
<b>ULTRASOUND MONITORING</b>		
024351	InVisus SLP Ultrasound Base with fixed Linear Probe 5-12.5MHz	14
024362	InVisus EXP Ultrasound Base (no probe)	14
024363	PR51 Linear Probe 10-18MHz, 192 Elements	14
024364	PR52 Linear Probe 6-18MHz, 256 Elements	14
<b>VELCRO STRAPS</b>		
1450021	Velcro Cable Wraps	80
1421230	Velcro Strap Kit	80
1421236	Velcro Strap, 114cm Length	80
1421238	Velcro Strap, 183cm Length	80
1421234	Velcro Strap, 76cm Length	80



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