



Natus Neurology Neurodiagnostic Supplies

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

Global Catalog



Global Technology, Local Expertise

Natus Neurology is a global market leader bringing together leading technology from Dantec, Embla, Grass, Nicolet, Schwarzer and Xitek. We provide medical instruments for disease detection and monitoring, as well as neurodiagnostic supplies and integrated connectivity solutions for neurological and vascular markets. Our mission is to improve outcomes and patient care in these markets through innovative screening, diagnostic and monitoring solutions. Natus Neurology is a trusted brand, recognized for market leadership in EMG, NCS, EP, EEG, LTM, ICU, IOM, TCD, Sleep and Neurodiagnostic Supplies.

Natus Medical Incorporated is a leading manufacturer of medical devices and software, and a service provider for the Newborn Care, Neurology, Sleep, Hearing and Balance markets. Natus products are used in hospitals, clinics and laboratories worldwide. Natus common stock trades on the NASDAQ Exchange using the symbol BABY.

See www.natus.com for additional information.

ORDERING INFORMATION

US & Canada Ordering Information

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

Email: 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 Neurology.

International Ordering Information

Natus Neurology Incorporated 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 and look under the Contact Tab and then Natus Worldwide.

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Natus Terms & Conditions Apply. See our website www.natus.com.

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 Neurology Supplies Sales Professional. We offer specialized, regionally-based, sales support for your supply needs.

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

International Orders: Contact Local Distributor

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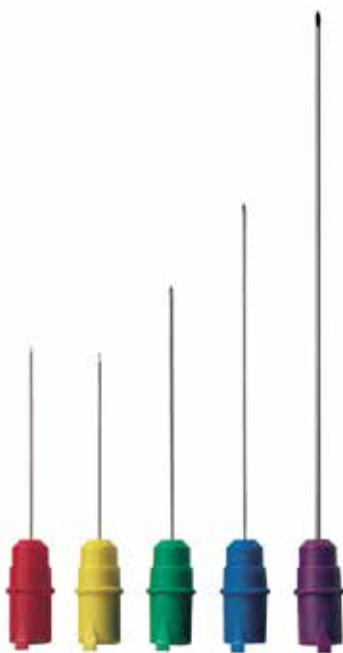


Natus EMG Supplies

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

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 ²)	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?

In 1987 TECA® introduced the first disposable concentric needle!

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 ²)	Hub Color	Quantity
9013S0012	1" (25mm)	0.30mm (30G)	0.02	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 DIN



Dantec® Autoclavable Concentric Needle Electrodes

- Insulated platinum wire located inside a stainless steel cannula
- Muscle action potentials are picked up by the tip of the platinum wire, with the cannula as the indifferent electrode

Part Number	Length	Needle Diameter	Recording Area (mm ²)	Quantity
9013L0582	0.79" (20mm)	0.30mm (30G)	0.019	1/pkg
9013L0513	0.79" (20mm)	0.45mm (26G)	0.07	1/pkg
9013L0503	1.18" (30mm)	0.45mm (26G)	0.07	1/pkg
9013L0493	1.57" (40mm)	0.45mm (26G)	0.07	1/pkg
9013L0312	1.65" (42mm)	0.65mm (23G)	0.07	1/pkg
9013L0302	2.56" (65mm)	0.65mm (23G)	0.07	1/pkg



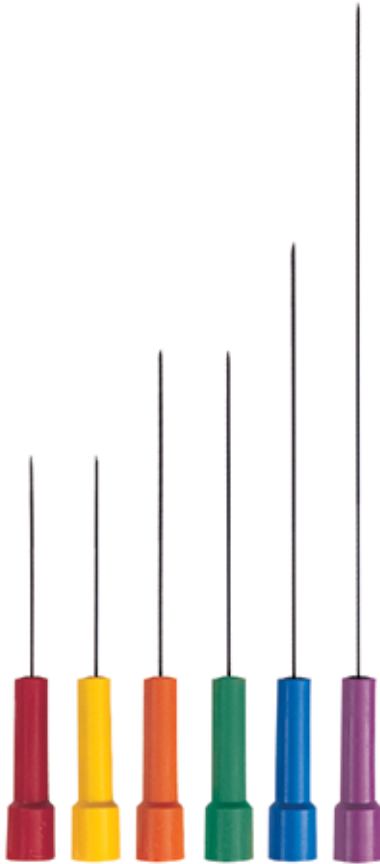
Cable for Dantec® Autoclavable Concentric Needle Electrodes

Part Number	Length	Electrode End	Instrument End
9013L0014	39" (1m)	Mini-Socket	5-pin DIN



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 ²)	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 ²)	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 needles electrodes
- 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

- Low loss hub reduces serum waste
- Records EMG activity while allowing injection of medication
- Stainless steel hypodermic needle, point stays sharp through multiple injection sites
- Connects with both Luer Lock and Slip Fit syringes
- Color-coded package for easy identification
- Cable length 35.5" (90cm), terminating in 1.5mm female touchproof connector
- Pre-Sterilized

Part Number	Needle Length	Needle Diameter	Package Color	Quantity
9013S0422	1" (25mm)	0.30mm (30G)	Orange	1/pouch - 12/pack
9013S0432	1" (25mm)	0.41mm (27G)	Green	1/pouch - 12/pack
9013S0442	1.5" (37mm)	0.41mm (27G)	Light Blue	1/pouch - 12/pack
9013S0472	1.5" (37mm)	0.46mm (26G)	Blue	1/pouch - 12/pack
9013S0452	2" (50mm)	0.46mm (26G)	Red	1/pouch - 12/pack
9013S0462	3" (75mm)	0.64mm (23G)	Yellow	1/pouch - 12/pack



DID YOU KNOW?

Both humans and long-necked giraffes have seven cervical vertebrae

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



Contact your Natus Neurology sales representative or distributor for information regarding the Clavis™ handheld device, which delivers a fast and easy pathway for injection of medicinal products.



- Provides EMG recording and stimulation with mobility and simplicity
- Combines quality with ease and flexibility

EMG NEEDLE ELECTRODES

Single Fiber Needle Electrodes

Dantec® Autoclavable Single Fiber Needle Electrode

- Platinum recording surface presented through a side port opposite the cutting edge bevel
- Core diameter is 25µm



Part Number	Length	Needle Diameter	Quantity
9013K0873	1.57" (40mm)	0.45mm (26G)	1/pkg

Needle Holder (Cable)

- Cable for Dantec Autoclavable Single Fiber Needle Electrodes



Part Number	Length	Electrode End	Instrument End	Quantity
9013L0014	39" (1m)	Mini-Socket	5-pin DIN	1/pkg

Natus Reusable Indicator Single Fiber Needle Electrodes

- 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
019-426000	1.6" (40mm) / 0.46mm (26G)	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

Sensory Needle Electrodes

Dantec® Disposable Sensory Needle Electrodes

- Designed for recording potentials from sensory nerves
- Insulated stainless steel needle with exposed trocar-shaped tip which serves as the recording area
- Pre-Sterilized



Part Number	Length	Diameter	Recording Area mm²	Quantity
9013R0243	0.59" (15mm)	0.35mm (28G)	Reference 3.5	25/pkg
9013R0213	0.59" (15mm)	0.70mm (22G)	Reference 8.0	25/pkg
9013R0272	0.79" (20mm)	0.35mm (28G)	Active 2.0	25/pkg
9013R0253	1.18" (30mm)	0.35mm (28G)	Active 2.0	25/pkg
9013R0223	1.18" (30mm)	0.70mm (22G)	Active 5.0	25/pkg
9013R0233	1.97" (50mm)	0.70mm (22G)	Active 5.0	25/pkg

Cables for Dantec® Disposable Sensory Needle Electrodes



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

STIMULATING & RECORDING ELECTRODES

Bipolar Stimulating Probes

Deluxe Bipolar Stimulating Probe

- Ergonomically designed for quick and easy testing
- Controls for stimulus intensity, stimulus on/off, acquire on/off, next, stimulus duration up/down, polarity switch
- Supplied with straight and angled probe tips

Part Number	Type	Quantity	Compatibility
031K074	Deluxe Bipolar Stimulator Probe	1/pkg	Nicolet Synergy Plinth & Synergy PIU EMG systems
031D067	Straight Probe Tip Replacement Head	1/pkg	
031D068	Angled Probe Tip Replacement Head	1/pkg	
031D035	Adjustable Tip Replacement Head	1/pkg	



Comfort Probe

- Supplied with 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
- Supplied with 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

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

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



Touchproof Probe Head



Pediatric Straight Probe Head



Adult Angled Probe Head



Pediatric Angled Probe Head

STIMULATING & RECORDING ELECTRODES

Bipolar Stimulating Probes



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



Reusable Bipolar Stimulating Probe with Start/Stop Switch

- Supplied with stimulus probe head tip

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



Stimulus Probe Head Tip with Prongs

Part Number	Quantity	Compatibility
101284	1/pkg	101963XL Probe



Hand-Held 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 Hand-Held Stimulator Probe only
- 12mm spacing between tips

Part Number	Quantity
9541	2/pkg



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



Electrodes for Stimulation Handgrip

Part Number	Quantity	Compatibility
630570*	2/pkg	211038 Stimulation Handgrip

*Not for sale in USA and Canada

STIMULATING & RECORDING ELECTRODES

Hand-Held Felt Pad Stimulating Electrodes

Hand-Held Felt Pad Stimulating Electrodes

- Replaceable felt pads
- Indicator locates cathode

Part Number	Length	Description	Instrument End	Quantity	Compatibility
9013L0362	79" (2m)	Two 6mm diameter felt tip pads, 23mm apart	5-pin DIN	1/pkg	Dantec Keypoint, Keypoint Focus & Natus UltraPro S100 EMG systems only
9013L0352	79" (2m)	Two 3mm diameter felt tip pads, 10mm apart	5-pin DIN	1/pkg	
9013L0222	79" (2m)	Two 6mm diameter felt tip pads, 23mm apart, fixed handle	5-pin DIN	1/pkg	



Replacement Felt Tips for the Hand-Held Stimulating Electrodes are available in two sizes.

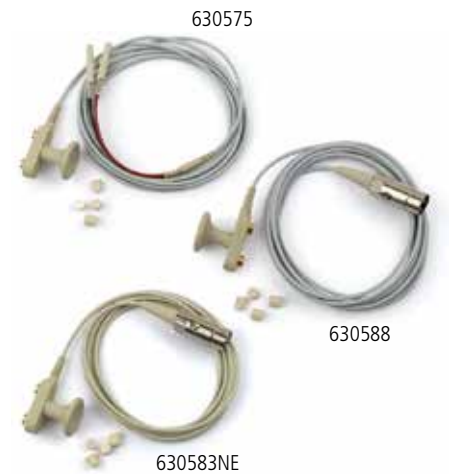
Part Number	Length	Diameter	Quantity
9013L3522	7mm	6mm	100/pkg
9013L3532	8mm	3mm	100/pkg

Hand-Held Felt Pad Surface Stimulating Electrodes

- Includes four felt pads

Part Number	Length	Description	Instrument End	Quantity	Compatibility
630575*	9.8' (3.0m)	Surface stimulation electrode	1.5mm touchproof connectors	1/pkg	Most EMG systems that accept 1.5mm touchproof connectors
630583NE*	6.6' (2.0m)	Surface stimulation electrode	5-Pin DIN connector, 270o	1/pkg	Most EMG systems
630588*	9.9' (3.0m)	Surface stimulation electrode	3-Pin DIN connector	1/pkg	Schwarzer topas EMG system

*Not for sale in USA and Canada



Replacement Felt Pads

Part Number	Length	Diameter	Quantity	Compatibility
517102*	7mm	7mm	10/pkg	Schwarzer stimulating electrodes part numbers 515230, 515232

*Not for sale in USA and Canada

Gold Plated Metal Inserts

- For use with Hand-Held Surface Stimulating Electrodes

Part Number	Length	Stimulating Surface	Quantity	Compatibility
630591*	7mm	Concave	2/pkg	Schwarzer stimulating electrodes part numbers 630575, 630588, 630583NE, 892070, N999-212000
630584NE*	7mm	Convex	2/pkg	

*Not for sale in USA and Canada



Hand-Held 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	XLtek EMG systems only
102227	Felt Pads		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.



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	

Snap-On T-Bar Handle Handle

- Compatible with 019-401500, 019-431400, 019-401400, 102733 bar electrodes
- Fits bar electrodes for more flexibility and ease-of-use

Part Number	Type	Quantity
019-421000	T-Bar Handle	1/pkg

EMG Felt Pad Bar Electrode

- 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 USA and Canada

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

HUSH Bipolar Bar Electrode

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

Part Number	Length	Instrument End	Quantity	Compatibility
901350352	39" (1m)	5-pin DIN	1/pkg	Dantec Keypoint, Keypoint Focus & Natus UltraPro S100 EMG systems only

Bipolar Bar Electrode

- 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	

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 Electrode

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

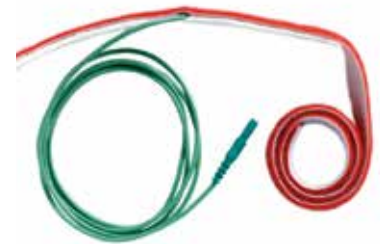
Part Number	Strap Length	Strap Width	Lead Length	Instrument End	Quantity	Compatibility
9013S0714	4" (10cm)	0.6" (15mm)	59" (1.5 m)	1.5mm female touchproof	1/pkg	Most EMG systems
9013S0735	7" (18.5cm)	0.8" (20mm)	59" (1.5 m)	1.5mm female touchproof	1/pkg	
9013S0775	18" (45cm)	0.8" (20mm)	59" (1.5 m)	1.5mm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



Reusable Ground Strap Electrode

- 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 Electrode

- 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
9013L0862	47" (1.2m)	30mm	1.5mm female touchproof	1/pkg	



Disc Stimulating/Recording Electrodes

HUSH® Disc Electrodes

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

Part Number	Length	Instrument End	Quantity	Compatibility
9013S0402	39" (1m)	5-pin DIN	1/pkg	Dantec Keypoint, 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	



6030-TP

6030-3-TP

Recording Electrodes

- 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 USA and Canada



STIMULATING & RECORDING ELECTRODES

Digital Ring Electrodes

Digital Ring Electrode

- 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 lbs. pull test
- Two adjustable rings



Part Number	Length	Instrument End	Quantity	Compatibility
9013S0302	39" (1m)	5-pin DIN	1/ea	Dantec Keypoint, Keypoint Focus & Natus UltraPro S100 EMG systems only

Digital Ring Electrode

- Two adjustable rings



Part Number	Length	Description	Instrument End	Quantity	Compatibility
9013S0312	39" (1m)	Twisted lead wires	2 x 1.5mm female touchproof	1 pair/pkg	Most EMG systems

Large Digital Ring Electrode

- Two large adjustable rings provide optimal results for pudendal studies



Part Number	Length	Description	Instrument End	Quantity	Compatibility
9013S0332	47" (1.2m)	Twisted lead wires	2 x 1.5mm female touchproof	1 pair/pkg	Most EMG systems

Velcro® Reusable Digital Ring Electrode

- Prior to use, soak electrodes in saline solution



Part Number	Description	Material	Quantity	Compatibility
9013L1702	0.2"(5mm) x 2.5"(65mm)	Velcro Ribbon	1/pkg	Dantec Keypoint, Keypoint Focus & Natus UltraPro S100 EMG systems only
9013L0692*	0.2"(5mm) x 2.5"(65mm)	Velcro Ribbon	1/pkg	

*Includes 9013C0112 cable

HUSH® Shielded Electrode Cables for Velcro Reusable Digital Ring Electrodes (above)

Part Number	Length	Electrode End	Instrument End	Quantity	Compatibility
9013C0112	39" (1m)	2 x 0.7mm female	5-pin DIN	1/ea	Dantec Keypoint, Keypoint Focus & Natus UltraPro S100 EMG systems only
9013C0122	79" (2m)	2 x 0.7mm female	5-pin DIN	1/ea	

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" (60cm)	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 ²	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

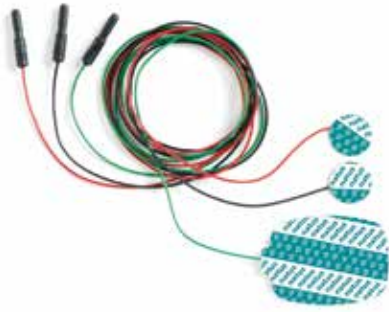


DID YOU KNOW?

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

ADHESIVE ELECTRODES

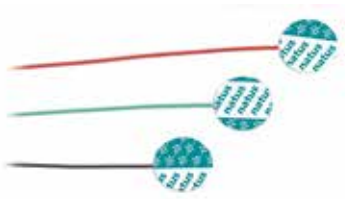
Adhesive Electrodes with Lead Wires Attached



Disposable NCV Kit 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 Test Kit	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

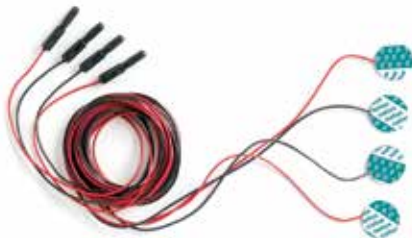
Part Number	Type	Lead Length	Quantity	Compatibility
019-439400	Disc	20" (0.5m)	24 sets/pkg	Most EMG systems
019-414200	Disc	39" (1m)	24 sets/pkg	



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

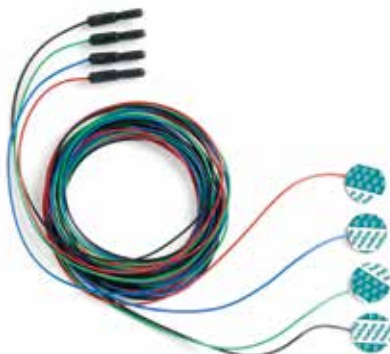
Part Number	Type	Lead Length	Quantity	Compatibility
019-406600	Tab	39" (1m)	24 pair/pkg	Most EMG systems



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	



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 electrode/pack; 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 Surface Electrodes

- Attached white lead wire terminates in 1.5mm touchproof connectors
- Twelve pre-gelled Ag/AgCl disc electrodes per package, recording area 20mm x 15mm
- Ideal for use with infants and small children

Part Number	Type	Lead Length	Quantity	Compatibility
019-408500	Surface Electrodes	36" (1m)	12/pkg	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 474mm²; recording area 54mm²
- Transparent electrodes allow for precise positioning; can be repositioned several times
- Ideal for NCV, EP and ENG studies

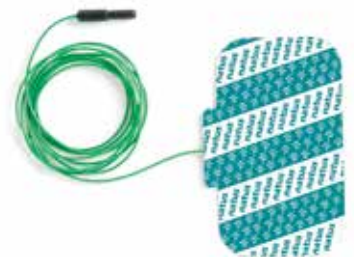
Part Number	Type	Length	Quantity	Compatibility
019-434600	Ag/AgCl Sensor	20" (0.5m)	4 sets/pkg	Most EMG systems
019-434700	Ag/AgCl Sensor	31" (0.8m)	4 sets/pkg	
019-434800	Ag/AgCl Sensor	47" (1.2m)	4 sets/pkg	



Disposable 2"x4" 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 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/pkg; 25 electrodes/box	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	



ADHESIVE ELECTRODES

Adhesive Electrodes with Lead Wires Attached

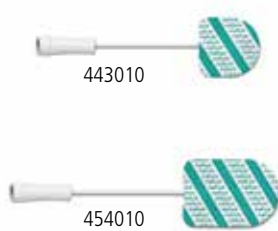


Disposable Pre-Gelled Surface Electrodes

- 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	4" (10cm)	0.7mm male touchproof	12/pkg	Dantec Keypoint, Keypoint Focus & Natus UltraPro S100 EMG systems only
9013S0242	9mm x 6mm	3" (8cm)	0.7mm male touchproof	12/pkg	
9013L0453	9mm x 6mm	20" (50cm)	1.5mm female touchproof	12/pkg	
9013S0225	20mm x 25mm	6" (15cm)	0.7mm male touchproof	12/pkg	
9021S0235	20mm x 25mm	9" (20cm)	0.7mm male touchproof	12/pkg	

Cable required with these electrode: see Page 8 for options



Disposable Pre-Gelled Surface Electrodes

COMING SOON

- 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	3" (8cm)	0.7mm male touchproof	12/pkg	Dantec Keypoint, Keypoint Focus & Natus UltraPro S100 EMG systems only
454010	20mm x 25mm	3" (8cm)	0.7mm male touchproof	12/pkg	

Cable required with these electrode: see Page 8 for options

Disposable Pre-Gelled Surface Electrodes

COMING SOON

- 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	59" (1.5m)	1.5mm female touchproof	12/pkg	Most EMG systems
454020	20mm x 25mm	39" (1.0m)	1.5mm female touchproof	12/pkg	
454030	20mm x 25mm	59" (1.5m)	1.5mm female touchproof	12/pkg	
454040	20mm x 25mm	79" (2.0m)	1.5mm female touchproof	12/pkg	

Disposable Non-Gelled Surface Electrodes

- 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, Keypoint Focus & Natus UltraPro S100 EMG systems only

Cable required with this electrode: see Page 8 for options



ADHESIVE ELECTRODES

Adhesive Tab Electrodes

Disposable Ground/Tab Electrodes

- 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 Electrodes

- 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 Electrodes

- 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 Electrodes

- 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 Electrodes

- 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

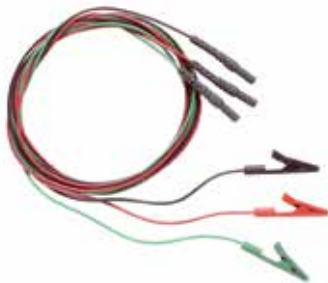


Care 310® Disposable Ground Electrodes

- 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 ELECTRODES

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 Electrode Lead Wires

Reusable Snap Lead Set

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

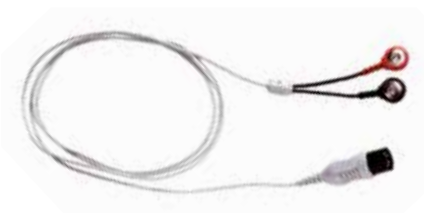
Part Number	Type	Lead Length	Quantity	Compatibility
019-424500	Snap Leads	60" (152cm)	1 pair/pkg	Most EMG systems



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



See Page 74 for additional snap leads.



DID YOU KNOW?

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

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" (0.45 m)	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



9013C0232

Alligator-clip Cables

- For use with pre-gelled tab electrodes
- Cable withstands >50 lbs. 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	



9013P0602

9013P0642

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 & hand-held stimulating electrodes



Adapter Cable

Part Number	Length	Electrode End	Instrument End	Quantity	Compatibility
513200*	5.5" (140mm)	5-Pin DIN female connector, 180°	2 x 1.5mm female touchproof connectors	1/pkg	Most EMG systems

*Not for sale in USA and Canada



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	48" (1.2m)	1/pkg	Nicolet Viking & 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



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

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" (3.0m)	1/8" mini-phone plug	1/pkg	Nicolet Viking & EDX 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 only

*Not for sale in USA and 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

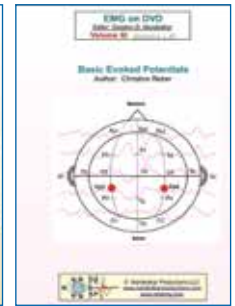
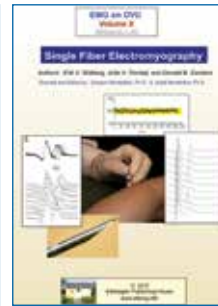
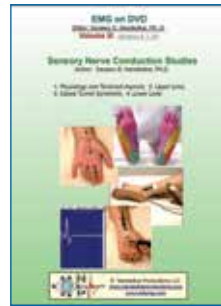
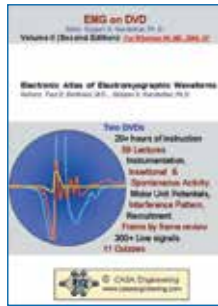
*Not for sale in USA and Canada



MULTI-MEDIA TRAINING MATERIAL

EMG on DVD

Series Editor: Sanjeev D. Nandedkar, PhD



Volume 1: Electronic Myoanatomic Atlas for Clinical Electromyography

Duration: 4+ hours, Videos: 75

- Demonstrations of muscle localization and activation techniques for EMG examinations
- 70 digital video clips of commonly tested muscles with needle EMG techniques
- 300+ still images with anatomical landmarks

Volume 2: Electronic Atlas of Electromyographic Waveforms

Duration: 20+ hours, Videos: 300+ (lectures, workshops, quizzes)

- Detailed lectures describing physiology, pathology, waveform recognition and characterization, methods for capturing the potential interpretation and reporting
- Workshops demonstrating EMG techniques using signals recorded in normal subjects and in patients with a variety of neuromuscular diseases
- Quizzes test knowledge, provide feedback and aid preparation for Board examinations
- Overall, over 20 hours of instruction are provided, including 59 lectures and analysis of 227 signals in workshops

Volume 3: Sensory Nerve Conduction Studies

Duration: 3+ hours, Videos: 60

- Videos teach good technique to help produce reliable and reproducible results with sensory nerve conduction studies
- Videos feature simultaneous display of a patient and a recording signal as in real workshops
- Emphasis is on electrode placement, improving signal quality and minimizing technical artifacts
- Increases the learner's confidence with sensory nerve conduction studies

Part Number	Description	Quantity
017W082	Volume 1: (Second Edition) Electronic Myoanatomic Atlas for Clinical Electromyography (DVD)	1/pkg
017W077	Volume 2: (Second Edition) Electronic Atlas of Electromyographic Waveforms (2 DVDs)	1/pkg
CD-SNT&P	Volume 3: Sensory Nerve Conduction Studies (DVD)	1/pkg

Volume 4: Motor Nerve Conduction Study & Late Responses

Duration: 4+ hours, Videos: 70+ (Lectures & Technique)

- Lectures on the nerve conduction technique, measurements, abnormal findings in pathology and artifacts
- Live demonstrations of conduction studies in a healthy subject: Upper limb, Lower limb, Face (including proximal nerves)
- Motor NCS, F Wave, H reflex and Blink reflex
- Analysis of abnormal recordings

Volume 10: Single Fiber Electromyography

Duration: 4+ hours, Videos: 55+ (Lectures, Technique, Interpretation, Waveform recognition)

- Lectures on SFEMG principles, measurements (fiber density & jitter), artifacts and reporting
- Live demonstration of commonly tested muscles
- Examples of abnormal potentials and their physiologic basis
- Extended discussion on using SFEMG in a clinical practice

Volume 11: Basic Evoked Potentials

Duration: 3+ hours, Videos: 45+ (Technique)

- Live demonstration of Upper and Lower limb Somatosensory Evoked Potentials (SEP), Brainstem Auditory Evoked Response (BAER) and Visual Evoked Potential (VEP)
- Technical skills: 10/20 electrode placement system, electrode application, noise reduction, instrumentation
- Practical tips, ideal for beginners

Part Number	Description	Quantity
017519	Volume 4: Motor Nerve Conduction Study and Late Responses (DVD)	1/pkg
017518	Volume 10: Single Fiber Electromyography (DVD)	1/pkg
017520	Volume 11: Basic Evoked Potentials (DVD)	1/pkg



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 & intra-operative monitoring
- ✓ TIPs maximize interaural stimulus isolation, help prevent ear canal collapse & reduce stimulus artifact



Reusable Left & Right Tubal Insert Phones with Cable

- Three red & 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 & 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	Xltek XCalibur EMG & Protektor IOM TIPs Kit	Lemo	1 kit/pkg	Xltek Xcalibur & Protektor systems



Reusable Left & Right Tubal Insert Phones with Cable

Part Number	Description	Quantity	Compatibility
9031E0277	Dantec Keypoint TIPs Kit	1 kit/pkg	Dantec Keypoint system

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

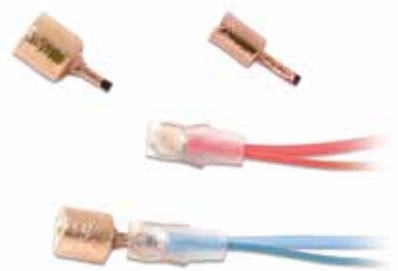
Part Number	Type	Quantity	Compatibility
019-428400	Adapter Tip	4/pkg	All Natus Tubal Insert Phones



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	1pair/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	4.0mm Tips	10/pkg	
842-507500	5.0mm Tips	10/pkg	



AUDITORY

Tubal Insert Phones (TIPs) Supplies



Eartips

- Made from wipe-clean PVC; autoclaveable; 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

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	28" (70cm)	12/pkg	Most EP systems

EP GOGGLES & HEADPHONES

Goggles

Nicolet® Viking™ Goggles

Part Number	Description	Compatibility
842-106504	LED Goggles	Any Nicolet Viking system & Synergy EDX system with visual stimulator



Dantec® Keypoint® Goggles

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



Headphones

Nicolet® Viking™ Headphones

Part Number	Description	Compatibility
842-202700	Unshielded Headphones, 300 Ohm	Any Nicolet Viking & Synergy EDX with auditory stimulator
842-202300	Shielded Headphones, 300 Ohm	



842-202700



842-202300

Dantec® Keypoint® Headphones

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



Natus Neurology Service

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

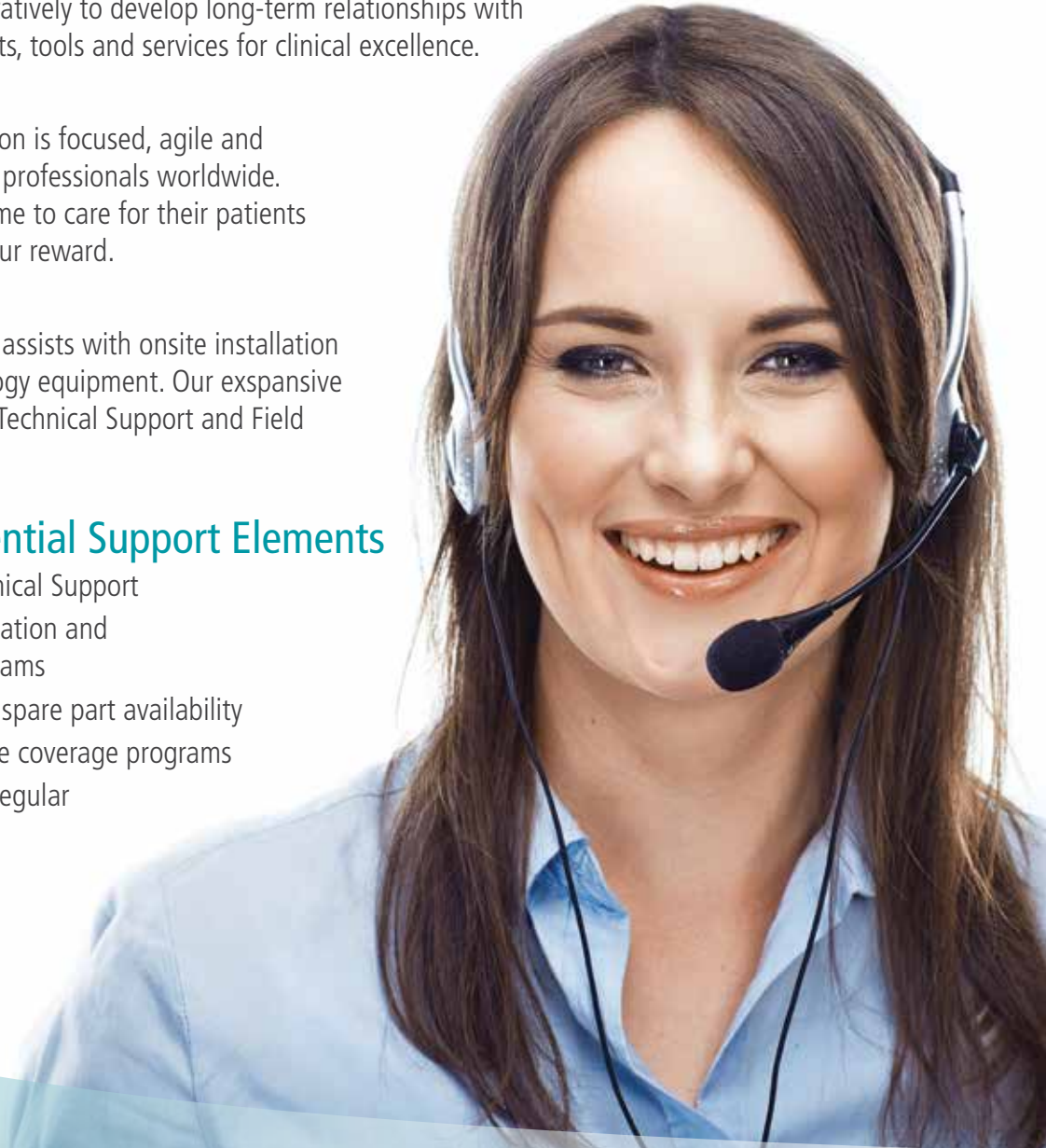
Our Technical Support organization is focused, agile and committed to serving healthcare professionals worldwide. Providing our customers more time to care for their patients is our goal. Customer loyalty is our reward.

Field Service

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

Natus Neurology 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[®]
neurology

At Natus Neurology, 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.



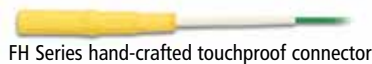
Natus EEG Supplies

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.

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 deep, 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 "Tangle Free" 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

- 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
- Tangle free lead wires terminating in 1.5mm touchproof connectors
- Compatible with popular gels, creams and adhesives
- Five lead wire colors: two each 

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 Deep-Cup Electrodes



- Ag/AgCl coated ABS cup with 2mm hole
- Tangle free lead wires terminating in 1.5mm 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" (1m)	1 pair/pkg
019-405200	6mm Gold	39" (1m)	1 pair/pkg
019-405400	6mm Ag/AgCl	39" (1m)	1 pair/pkg

EEG ELECTRODES

Other Reusable & Disposable Cup Electrodes

MR Conditional Electrodes

- Disposable MR Conditional Electrodes
- Eliminates the need and cost to remove and reapply electrodes each time patients need MR imaging
- Produce artifact-free MR images



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



Electro-Cap Systems

The Electro-Cap System I includes the following:

- One each: medium cap; electrode board adapter; medium body harness; quick insert electrode; pair of ear electrodes; needle/syringe kit; Electro-Gel 16oz; special head measuring tape; Ivory Liquid 14oz; instruction manual
- One pack of 100 Disposable Sponge Discs

The Electro-Cap System III includes the following:

- One each: large, medium, small and extra small caps; electrode board adapter; one small and one medium body harness; special head measuring tape; Ivory Liquid 14oz; instruction manual
- Four Quick Insert Electrodes; two pairs of ear electrodes; four needle/syringe kits; three 16oz jars of Electro-Gel
- Two packs of 100 Disposable Sponge Discs

Part Number	Type/Description	Quantity
ACE336	Electro-Cap System I	1/pkg
122-409000	Electro-Cap System III	1/pkg

Electro-Caps, Cables & Related Supplies

- EEG electrode application technique
- Caps made of an elastic fabric with recessed, pure tin electrodes attached to the fabric
- Electrodes are positioned to the International 10-20 Electrode Placement
- Patients should always be measured to determine proper cap size

Part Number	Type/Description	Quantity
122-409400	Electro-Cap E1-L Large (58-62cm), Blue	1/pkg
122-409500	Electro-Cap E1-M Medium (54-58cm), Red	1/pkg
122-409600	Electro-Cap E1-SM Small (50-54cm), Yellow	1/pkg
ACE313	Electro-Cap E1-XSM Extra Small (46-50cm), Green	1/pkg
ACE322	Infa-Cap I I1-1 (42-46cm), Blue, 10/20	1/pkg
ACE323	Infa-Cap II I1-2 (38-42cm), Pink, modified	1/pkg
ACE324	Infa-Cap III I1-3, (34-38cm), Brown, modified	1/pkg
ACE332	Custom Cap 21 electrodes Large Blue (20 electrodes+Oz)	1/pkg
ACE333	Custom Cap 21 electrodes Medium Red (20 electrodes+Oz)	1/pkg
ACE334	Custom Cap 21 electrodes Small Yellow (20 electrodes+Oz)	1/pkg
ACE335	Custom Cap 21 electrodes Extra Small Green (20 electrode+Oz)	1/pkg
ACE339	Custom Infa-Cap I (42-46cm) Blue (20 electrodes+Oz)	1/pkg
ACE340	Custom Infa-Cap II (38-42cm) Pink (10 electrodes+Oz)	1/pkg
ACE341	Custom Infa-Cap III (34-38cm) Brown (10 electrodes+Oz)	1/pkg
635546NED	Custom Infa-Cap 1/2 (40-44cm)Blue/Pink with reference 21 flat electrodes 25-pol(I1-1/2FR-21-25)	1/pkg
635547NED	Custom Infa-Cap 2/3(36-40cm) Pink/Brown with reference 21 flat electrodes 25-pol (I1-2/3FR-21-25)	1/pkg
635583NED	Electrode Board Adapter with 1.5mm touchproof, 20 ports (E-2-2520-26)	1/pkg
635584NED	Electrode Board Adapter with 1.5mm touchproof, 21 ports (E-2-2521-26)	1/pkg
ADE011	Body Harness, Large (44-52") E3-L	1/pkg
ADE012	Body Harness, Medium (30-44") E3-M	1/pkg
ADE013	Body Harness, Small (21-30") E3-SM	1/pkg
ADE020	Infa-Body Harness I2	1/pkg
AEE112	Quick Insert Electrode with 1.5mm touchproof E4S	1/pkg
635582NED	Quick Insert Electrode with 1.5mm touchproof E-4-Z-26	1/pkg
ADE016	Disposable Sponge Discs (100/pkg) E6	1/pkg
635550NED	Needle/Syringe Kit (2-16g blunted needles, 1 syringe sterile) E7	1 kit/pkg
635593NED	Syringe, 5cc (125/pkg) sterile E7B	1/pkg
635551NED	Special Blunted Needle, 16g (100/pkg) sterile E8B	1/pkg
635595NED	Electro-Gel (16oz) E9	1/pkg
635578NED	Special Head Measuring Tape E12	1/pkg
635579NED	Infa-Head Measuring Tape I3	1/pkg
635558NED	Cap Strap, Large E13-L	1/pkg
635564NED	Cap Strap, Medium E13-M	1/pkg
635565NED	Cap Strap, Medium/Small E13-MS	1/pkg
635560NED	Cap Strap, Small E13-S	1/pkg
635568NED	Cap Straps, Small, for Infa-Cap I, I13-1	1 pair
635569NED	Cap Straps, Small, for Infa-Cap II, I13-2	1 pair
635570NED	Cap Straps, Small, for Infa-Cap III, I13-3	1 pair
635574NED	Chin Strap, 5"(12.7cm) E23-5	1/pkg
635575NED	Chin Strap, 7"(17.8cm) E23-7	1/pkg

Additional head cap items are available in selected markets. Contact your sales person.

EEG ELECTRODES

Electrode Caps

Universal Head Cap Systems*

None of the parts featured on this page are for sale in the USA 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
505201	Z Electrode with Cover and O-Ring	1/pkg
505207	Mushroom Electrode with Cover and O-Ring	1/pkg
505209	Bridge Electrode for Adults with Cover and O-Ring	1/pkg
505210	Bridge Electrode for Kids with Cover and O-Ring	1/pkg
505220	Ear Electrodes, 80cm connection cable and contact-protected DIN connector	2/pkg
505222	Ear Electrodes, 100cm connection cable and contact-protected DIN connector	2/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	25/pkg
Head Cap and Accessory Kits		
501060	Head Cap Kit: 29 Channel: 1 Adult Cap, 1 Child Cap, 25 Bridge Electrodes, 1 Ear Electrode, 30 Lead Wires, 1 ECG Clip Electrodes, 2 Sintered Electrodes, 1 Glass Storage Plate, one 507106 Accessory Kit	1 kit/pkg
501061	Head Cap Kit: 40 Channel: 1 Adult Cap, 1 Child Cap, 33 Bridge Electrodes, 2 Ear Electrodes, 40 Lead Wires, 2 ECG Clip Electrodes, 2 Sintered Electrodes, 1 Glass Storage Plate, one 507106 Accessory Kit	1 kit/pkg
507106	Accessory Kit: 50 Covers, 25 O-Rings, one 16mm Cone for Z-Electrodes, one 14mm Cone for Mushroom/Bridge Electrodes	1 kit/pkg



9013E1142



9013E1312



505201



505220



748040



507109



507104



505207



504711



504701

*None of the parts featured on this page are for sale in the USA or Canada

See Page 42 for electrode leads

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
019-438200	BraiNet Template/Adult/Child 46-54cm	1/pkg
019-438300	BraiNet Template/Adult/Child 54-62cm	1/pkg
The following use a modified 10/20 electrode placement with 13 recording electrode locations, plus electrode locations for ground and reference:		
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
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

*Not for sale in USA and Canada

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
901580282	Jumpers/Linkers	3" (8cm)	3/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



ANCILLARY EEG ITEMS

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



Reusable Jumper/Linker Cable

- One stackable 1.5mm male/female touchproof to three insulated female touchproof connectors

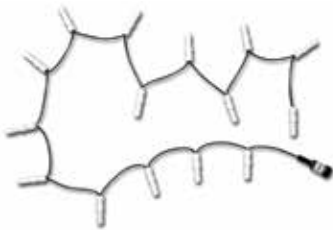
Part Number	Type	Lead Length	Quantity
1451055	Jumpers/Linkers	10" (25cm)	1/pkg



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



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



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
019-425000	Jumpers/Linkers	11" (28cm)	1/pkg



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 USA and Canada

ANCILLARY EEG ITEMS

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

Touchproof Adapters

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

Part Number	Type	Quantity
019-773100	2mm male pin to 1.5 female touchproof	1/pkg
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
019-406400	1.5 female touchproof to 2mm male pin	1/pkg
140420	1.5 female touchproof to 2mm male pin	10/pkg



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



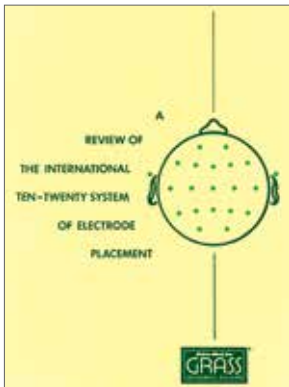
The Electrode Claw

- 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



Grass Frequency Ruler

Part Number	Type	Quantity
EDAID1	Frequency Ruler	1/pkg



DID YOU KNOW?

Ludwig van Beethoven, Vincent Van Gogh
Isaac Newton, Julius Caesar and Joan of Arc
were all known to have epilepsy



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

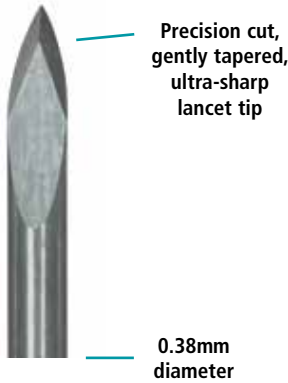
Natus Ultra Disposable Subdermal Needle Electrodes

- 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	Needle Length/Diameter	Lead Wire Length	Quantity
019-476600	Stainless Steel, 6-color	13mm, 27G (0.38mm)	39" (1m)	1/pouch, 24/box
019-476800	Stainless Steel, 6-color	13mm, 27G (0.38mm)	59" (1.5m)	1/pouch, 24/box
019-477000	Stainless Steel, 6-color	13mm, 27G (0.38mm)	96" (2.5m)	1/pouch, 24/box
019-476700	Stainless Steel, 12-color	13mm, 27G (0.38mm)	39" (1m)	1/pouch, 24/box
019-476900	Stainless Steel, 12-color	13mm, 27G (0.38mm)	59" (1.5m)	1/pouch, 24/box
019-477100	Stainless Steel, 12-color	13mm, 27G (0.38mm)	96" (2.5m)	1/pouch, 24/box



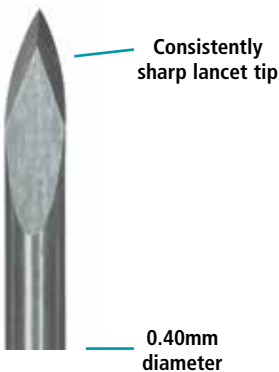
Natus Classic Disposable Subdermal Needle Electrodes

- 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: ●●●●●●

2 each of 12 Lead Wire Colors: ●●●●●●●●●●●●


Part Number	Type	Needle 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
019-476100	Stainless Steel, 12-color	12mm, 27G (0.40mm)	39" (1m)	1/pouch, 24/box
019-476200	Stainless Steel, 12-color	12mm, 27G (0.40mm)	59" (1.5m)	1/pouch, 24/box
019-476300	Stainless Steel, 12-color	12mm, 27G (0.40mm)	96" (2.5m)	1/pouch, 24/box



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	Needle 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 or RoHS compliance.

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 - Two sets of blue, orange, yellow, green and red lead wires paired with black and white lead wires provide you with twenty twisted pairs, one twisted pair per pouch
- 019-475700 - Red, blue, yellow, green, orange and purple lead wires paired with black and white lead wires provide you with twelve twisted pairs; one twisted pair per pouch



Part Number	Type	Needle 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

Scalp Needle Electrodes

Disposable Scalp Needle Electrodes

- Pre-sterilized stainless steel needle electrode

Part Number	Length	Diameter	Electrode End	Quantity	Compatible Cables
9013R0313	0.4" (10mm)	0.03mm (30G)	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
019-476400	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

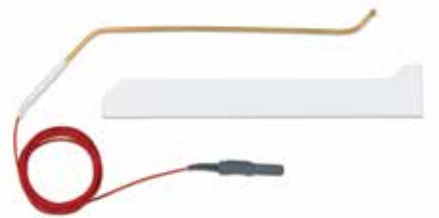
Part Number	Type	Shank	Lead Length	Quantity
019-404800	Gold	4" (100mm)	59" (1.5m)	1/pkg
019-404900	Gold	6" (150mm)	59" (1.5m)	1/pkg
019-416500	Silver	6" (150mm)	59" (1.5m)	1/pkg
019-416700	Ag/AgCl	6" (150mm)	59" (1.5m)	1/pkg



Natus Genuine Grass Nasopharyngeal Electrode

- For recording temporal lobe activity
- Insulated, flexible silver wire terminates in a 3mm gold plated ball; maintains shape when flexed
- Electrode can be shaped to conform with nasal dimensions; template supplied to reform electrode to original shape
- Lead wire terminates in 1.5mm touchproof connector
- Reusable; sterilize prior to use

Part Number	Type	Shaft	Lead Length	Quantity
F-EPG-G-15CM-48	Gold plated silver	5.75" (146mm)	48" (122cm)	2/box



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 PROBES

Probes – Disposable

Disposable Epidural Spinal Electrode

- Intended as a recording electrode for monitoring intra-operative 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" (2.0m)	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" (2.0m)	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" (2.0m)	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" (2.0m)	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" (2.0m)	1/pkg

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" (2.0m)	1/pkg



IOM PROBES

Probes – Disposable

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" (2.0m)	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" (2.0m)	1/pkg



Stimulating Probes

PolarProbe Handle

- Directly stimulates a nerve or record its electrical activity
- Reusable handle and cable ready for sterilization
- Requires disposable tips (listed below)
- Lead wire terminates in two 1.5mm touchproof connectors

Part Number	Type	Lead Length	Quantity
019-400800	Tapered Handle	79" (2m)	1/pkg

PolarProbe Disposable Ball Tips

- Pre-sterilized, rigid, stainless steel wire terminating in ball tips

Part Number	Tip Type	Spacing	Length	Quantity
019-408600	Ball	8mm	3.3" (85mm)	5/pkg

PolarProbe Disposable Flush Tips

- Pre-sterilized, rigid, stainless steel wire terminating in flush tips

Part Number	Tip Type	Spacing	Length	Quantity
019-408700	Flush	6mm	3.3" (85mm)	5/pkg

PolarProbe Disposable Right-Angle Tips

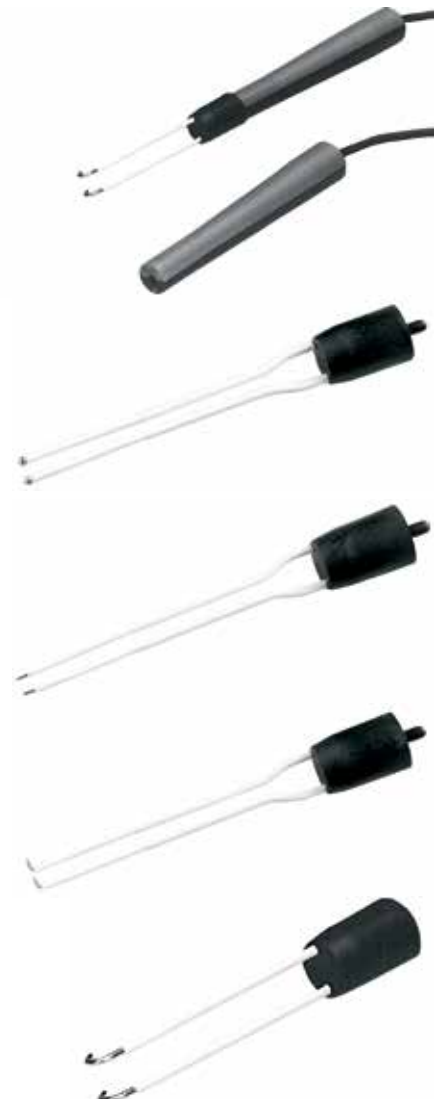
- Pre-sterilized, rigid, stainless steel wire terminating in right-angle tips with 4mm exposed area

Part Number	Tip Type	Spacing	Length	Quantity
019-408800	Right-Angle	6mm	3.2" (80mm)	5/pkg

PolarProbe Disposable Hooked Tips

- Pre-sterilized, rigid, stainless steel wire terminating in hooked tips

Part Number	Tip Type	Spacing	Length	Quantity
019-400900	Hooked	10mm	2.5" (64mm)	5/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
- Red and 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 lead 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

SLEEP



Natus Sleep Supplies

Sensors • Cannulas • Ancillary Sleep Supplies

SENSORS

Respiratory Effort

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 (pp.52, 53)
- 2 Single Use Cut-to-Fit (pp.53, 54)
- 3 Single Use Pre-Sized (pp.54, 55)

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	27-79" (65-200cm)	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

Respiratory Effort

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	Embla S4000/S4500 systems
1421039	Medium Abdomen, 33" (83cm) to 56" (142cm)	78" (200cm), yellow 2-pin key	1/pkg	Embla S4000/S4500 systems
1421041	Small Thorax, 22" (57cm) to 41" (104cm)	78" (200cm), blue 2-pin key	1/pkg	Embla S4000/S4500 systems
1421042	Small Abdomen, 22" (57cm) to 41" (104cm)	78" (200cm), yellow 2-pin key	1/pkg	Embla S4000/S4500 systems
1421043	Large Thorax, 47" (120cm) to 76" (194cm)	78" (200cm), blue 2-pin key	1/pkg	Embla S4000/S4500 systems
1421044	Large Abdomen, 47" (120cm) to 76" (194cm)	78" (200cm), yellow 2-pin key	1/pkg	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 Page 54)
- Customized sizing for each patient; especially useful for infants 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)

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

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	

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	

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	



1421000



1421020



1421022



1421048



1421047

*Also compatible with Embla SD32 system

SENSORS

Respiratory Effort

XactTrace Single Use Cut-to-Fit Belts & Components for Embla systems

- Configurations for Embla PSG systems only (see Universal cut-to-fit options on Page 53)
- Customized sizing for each patient; especially useful for infants and bariatric patients
- Purchasable options: abdomen and thorax locks, cut-to-fit belt material and cable extensions



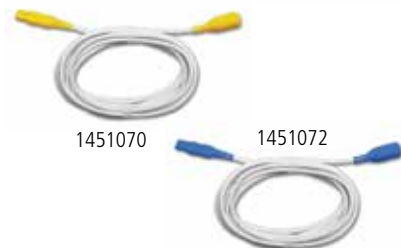
1421000



1421020



1421022



1451070

1451072

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	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	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	Embla S4000/S4500 systems
1451072	Thorax	78" (200cm), blue 2-pin key	1/pkg	Embla S4000/S4500 systems



011520



011521



011522



1421048



1421047

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

Respiratory Effort

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

3 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)	Embla N7000, titanium, Embletta (all models), Embla S4000/S4500 systems
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	Embla S4000/S4500 systems
013225	Thorax	78" (200cm), blue 2-pin key	1/pkg	Embla S4000/S4500 systems

*013382 Embletta Gold Inline Inductor required, one snap per sensor.

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

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



DID YOU KNOW?

Humans are the only mammals that willingly delay sleep

SENSORS

Respiratory Effort

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

*Reduced output signal for Grass PSG systems



Adjustable Respiratory Inductance Plethysmography Belt Kit

- One size fits all (Adult)
- Reusable & easy to clean
- High quality, comfortable material
- Kit 019-481100 includes two 019-481200 belts, 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 & RIP Interface Cables listed above

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
1330A-KIT	Chest or Abdomen	Large - 1" (2.5cm) x 67" (170.2cm)	78" (200cm)	1/pkg	Key connector for Grass AURA PSG & AURA PSG LITE
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



Large Double Buckle Replacement Belt

Part Number	Size	Compatibility
AIE071	Large - 1" (2.5cm) x 67" (170.2cm)	Replacement belt for these kits: 1421101, 1421102, 1421100, 1370G-KIT, 1330A-KIT



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
ACE116	Chest or Abdomen	Small 1" (2.5cm) x 35" (88.2cm) Pediatric 1" (2.5cm) x 18" (45.7cm)	78" (200cm)	1 kit/pkg	Most systems that accept 1.5mm touchproof connectors.
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



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
019-479800	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	Reduced output signal for Grass PSG systems that accept 1.5mm touchproof connectors
ACE114	Chest or Abdomen, Piezo crystal	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



019-479600 & 019-479800
ACE114
L and XL belts included with all three kits

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



SENSORS

Airflow

Thermistor Airflow Sensor

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

Part Number	Type	Size	Lead Wire Length	Quantity	Compatibility
1420431	Single Channel Oral/Nasal	Adult	78" (200cm)	1/pkg	Embla SD32
1420435	Single Channel Oral/Nasal	Adult	78" (200cm)	1/pkg	Embla systems with key connectors
1420430	Single Channel Oral/Nasal	Adult	23.5" (60cm)	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

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
019-480900	Two Channel Oral & Nasal	Pediatric	78" (200cm)	1/pkg	Most systems that accept 1.5mm touchproof connectors



SENSORS

Airflow

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



Thermocouple Airflow Sensor for Cannula

- Attaches to any adult nasal cannula

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



Pediatric 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	Pediatric	78" (200cm)	1/pkg	Most systems that accept 1.5mm touchproof connectors
1420406	Single Channel Oral/Nasal	Pediatric	78" (200cm)	1/pkg	Embla systems with key connectors



Infant Thermocouple Airflow Sensor

- Placed on the bridge of the infant's nose with the elements positioned under the nostrils

Part Number	Type	Size	Lead Wire Length	Quantity	Compatibility
ACE176	Single Channel Nasal	Infant-Preemies	71" (180cm)	1/pkg	Most systems that accept 1.5mm touchproof connectors



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	



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, Touchproof Connector	78" (200cm)	1/pkg	Cannulas designed for ThermoCan; most systems that accept 1.5mm touchproof connectors
500101	ThermoCan Interface Cable, 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	All ThermoCan sensors
500105	ThermoCan Thermal Cannula, Adult	2' (61cm)	50/pkg	All ThermoCan sensors



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	Embla systems with key connectors
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	



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	Embla S4500, Embla N7000, Embletta Gold
4140069	78" (200cm)	1.5mm touchproof	1/pkg	Embla SD32; most systems that accept 1.5mm touchproof connectors

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



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 the accept 1.5mm touchproof connectors
019-480300	Snore, Dynamic Microphone	0.6" (1.5cm)	76"(190cm)	1/pkg	



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

Body Position Sensors



DC Body Position Sensor Kit

- 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
ACE119	DC Body Position, Voltage Type	78" (200cm)	1/pkg	Most systems that accept 1.5mm touchproof connectors
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
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 - 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



AC Body Position Sensor Kit

- 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	



DID YOU KNOW?

Ducks at risk of attack by predators are able to balance the need for sleep and survival, keeping one half of the brain awake while the other slips into sleep mode

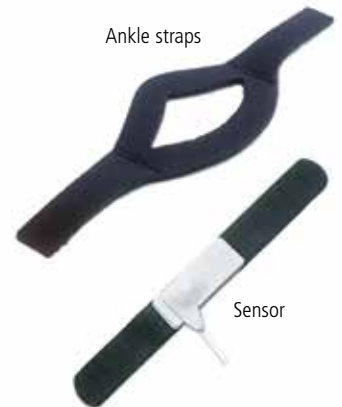
SENSORS

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	112" (285cm)	2 sensors & 2 bands/pkg	Most systems that accept 1.5mm touchproof connectors



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



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	<ul style="list-style-type: none"> - Most systems that accept 1.5mm touchproof and 1/8" male plugs - Most Nicolet, Grass & Xitek systems are compatible - Embla & Schwarzer systems require adapters



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	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	Embla N7000, Embla S4000/S4500, Embletta MPR, Embletta Gold. Most pressure flow/snore sensors & most CPAP masks



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	Embla N7000/S7000, S4000/S45000, titanium; Embletta Gold, PDS
011291	Nonin Xpod Oximeter	18" (45.7cm)	1/pkg	Embletta MPR
XPOD	Nonin Xpod Oximeter	80" (2m)	1/pkg	Grass Comet and AURA 32-channel EEG
842-674200	Nonin Xpod Oximeter	80" (2m)	1/pkg	Nicolet V32, V44



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 PureLight® Reusable FlexSensor & Disposable FlexiWrap® Adhesive Sensors

- Combines convenience of disposable sensor with economy of reusable sensor
- Available in multiple sizes
- 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

SENSORS

Oximetry

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	
105592	Soft Sensor, Medium	9.8' (3m)	1/pkg	
1431005	Soft Sensor, Large	3' (1m)	1/pkg	
105593	Soft Sensor, Large	9.8' (3m)	1/pkg	



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 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



DID YOU KNOW?

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

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 PSG systems with 008776 cable
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 2.2lbs (1kg)

Part Number	Type	Cable Length	Quantity	Compatibility
008786	LNCS Y-I Reusable Sensor	3' (0.9m)	1/pkg	Xltek with 008776 cable
104514	Disposable Standard Wrap	n/a	100/pkg	Y-I Reusable Sensor
104513	Disposable Petite Wrap	n/a	100/pkg	Y-I Reusable Sensor
104515	Disposable Foam Wrap	n/a	12/pkg	Y-I Reusable Sensor



Masimo Reusable Sensors

- LNCS DBI reusable adult soft sensor with 3ft cable

Part Number	Type	Cable Length	Quantity	Compatibility
008777	LNCS reusable sensor, Adult	3' (0.9m)	1/pkg	Xltek with 008776 cable



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' (0.9m)	1/pkg	Xltek with 008776 cable
008784	LNCS finger clip sensor, adult	3' (0.9m)	1/pkg	Xltek with 008776 cable



Masimo Patient Cables

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

SENSORS

Oximetry

Nellcor™ OxiMax™ Disposable Pulse Sensor

- For continuous oxygen saturation and pulse rate monitoring

Part Number	Type	Cable Length	Quantity	Compatibility
4140190	Disposable Sensor, Adult	36" (91.4cm)	24/pkg	Sandman SD32/SD20



Nellcor Adult Oxygen Saturation Sensor, Two Piece

- Combines reusable cable with sterile, disposable adhesive sensor
- Cost-effective alternative for patients with adequate peripheral pulses

Part Number	Type	Cable Length	Quantity	Compatibility
4140186	Disposable Sensor/reusable cable, Adult	36" (91.4cm)	1 cable & 24 sensors/pkg	Sandman SD32/SD20



Nellcor Adult-Neonatal Oxygen Saturation Sensor with Wraps

- Easy to use wrap-around design

Part Number	Type	Cable Length	Quantity	Compatibility
4140188	Reusable Sensor, Disposable Wraps, Adult/Neonatal	36" (91.4cm)	1 sensor & 50 wraps/pkg	Embla/Nellcor OxiMax



Nellcor Reusable Clip Sensor

- Convenient clip design assures quality and durability

Part Number	Type	Cable Length	Quantity	Compatibility
4140189	Reusable Clip Sensor, Adult, Finger	36" (91.4cm)	1/pkg	Embla/Nellcor OxiMax



Nellcor Sensor Extension Cable

Part Number	Cable Length	Quantity	Compatibility
4140184	10' (3m)	1/pkg	Embla/Nellcor OxiMax



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' (0.9m) Tubing terminates in male Luer Lock connector without filter	50/pkg	Most pressure flow/snore sensors with standard Luer Lock connectors



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' (0.9m) Tubing terminates in male Luer Lock connector without filter	50/pkg	Most pressure flow/snore sensors with standard Luer Lock connectors

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	



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

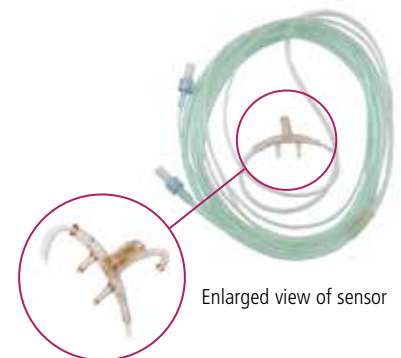
Part Number	Type	Cannula Length	Quantity	Compatibility
1420111	Nasal	7' (2.1m) Tubing terminates in male Luer Lock connector without filter	25/pkg	Adult ThermiSense nasal/oral flow sensors
1420112	Nasal	2' (0.61m) Tubing terminates in male Luer Lock connector without filter	25/pkg	



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 ₂ tube. Tubing terminates in male Luer Lock connector without filter	25/pkg	Adult ThermiSense nasal/oral airflow sensors



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 ₂ 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 ₂ tube. Tubing terminates in male Luer Lock connector without filter	25/pkg	Adult ThermiSense nasal/oral airflow sensors



Disposable Cannula Filters

- Luer Lock connectors

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



DID YOU KNOW?

Morphine derives its name from Morpheus, the god of sleep and dreaming in Greek mythology, for its tendency to cause sleep

ANCILLARY SLEEP SUPPLIES

Electrodes

Disposable Surface Electrodes with Cable Attached

- Pre-gelled Ag/AgCl discs, contact area 22mm x 28mm
- Comfortable foam backing

Part Number	Type	Lead Length	Quantity	Compatibility
1410514	Surface	39" (1m)	10/pkg	Most systems that accept 1.5mm touchproof connectors
1410515	Surface	59" (1.5m)	10/pkg	Most systems that accept 1.5mm touchproof connectors



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
444010	Square Snap	30/pkg	Most systems that accept 1.5mm touchproof connectors; requires snap leads



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
1410500	Circular with center snap	30/pkg	Most systems that accept 1.5mm touchproof connectors; requires snap leads



See Page 21 for additional disposable snap electrodes

ANCILLARY SLEEP SUPPLIES

Snap Leads



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	



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	

ANCILLARY SLEEP SUPPLIES

Snap Leads

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" (3.0m)	3/pkg	



Reusable Snap Leads Breakout Cable

- Color-schemed for use with the Embla X100 Proxy
- Twisted red, yellow and black lead wires/button snaps breakout at 18" (0.46m); total lead length 28" (0.71m)
- Twisted green, orange and blue lead wires/button snaps breakout at 30" (0.76m); total lead length 40" (1m)
- Lead wires terminate in 1.5mm touchproof connectors

Part Number	Type	Lead Length	Quantity	Compatibility
1411546	Snap Lead Breakout Cable	28" (0.71m) / 40" (1m)	1/pkg	Embla X100 Proxy



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	Embla N7000, all Emblettas & most patient-worn 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



CPAP EQUIPMENT PASTEURIZATION

Olympic Mini-Pasteurmatic

CPAP Equipment Pasteurization – High-Level Disinfection



Proven Value: Safety, Efficacy and Cost

- Uses only hot water
- Meets CDC Guidelines for high-level disinfection
- No fume, residue or spill concerns
- No test strips or sterile water rinse required
- Low monthly cost to operate and maintain

Olympic Mini-Pasteurmatic, Pasteurmatic and Sterile-Drier Supplies			
Part Number	Type/Description	Quantity	Compatibility
52637	Mesh Bags	8/pkg	Pasteurmatic 3000 and 3500
52697	Blade Mesh Bags	4/pkg	Pasteurmatic 3000 and 3500
54308	Pre-filters (Dust filters)	6/pkg	Sterile-Drier 43 and 44
100105-01	HEPA filter	1/pkg	Sterile-Drier 43 and 44
54020	Pasteur-Sol Detergent, 20 pound tub	1/pkg	Pasteurmatic 3000 and 3500
54047	Pasteur-Sol Detergent, 47 pound tub	1/pkg	Pasteurmatic 3000 and 3500
100355-501	Printer Ribbon for Mini-Pasteurmatic	1/pkg	Mini-Pasteurmatic



Natus Application Products

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

ELECTRODE CREAMS, PASTES, GELS



Genuine Grass® EC2® Electrode Cream

- Optimal combination of resistive, cohesive and adhesive characteristics for accurate recordings
- Isotonic with the skin
- Designed for direct application to desired site

Part Number	Type	Size	Quantity
EC2	EC2 Electrode Cream	3.5oz (100g) tube	10/pkg
517101	EC2 Electrode Cream, Single Tube	3.5oz (100g) tube	1/pkg



Ten20® Conductive Paste

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

Part Number	Type	Size	Quantity
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



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



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



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
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



 *U.S. only

SKIN PREPS



444020



016-703000

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
444020*	Electrode Prep Pad	1.25" (3.18cm) x 2.5" (6.35cm)	50/pkg
016-703000	Alcohol Pads	1.25" (3.18cm) x 2.5" (6.35cm)	200/pkg



**Both products U.S. 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"	15' roll	1/pkg
123-723900	3M Micropore Surgical Tape	1"	30' roll	1/pkg
101917	3M Transpore Surgical Tape	1"	30' roll	12/pkg
AT15	3M Blenderm Surgical Tape	1"	15' 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

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



*U.S. only



103825

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	Stretch Bandage	4" (10.2cm)	12' (3.7m) roll	12/pkg



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



Surgilast® Tubular Elastic Dressing Retainer

- Applies gentle pressure to secure electrodes during sleep studies without adhesive tape
- Customizable; easily cut to size
- Allows maximum air flow

Part Number	Type	Size	Quantity
1450051*	Head Net, Adult	75' (23m) roll	1/pkg
1450052*	Head Net, Pediatric	75' (23m) roll	1/pkg



*U.S. only



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 – USA 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	100 wipes/pkg



Service

Excellence in customer service and support is a core Natus 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.

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9013L0582	Dantec Autoclavable (Reusable) Concentric Needle, 20mm, 30G	3	902150235	Disposable Adhesive Electrode w/20cm Lead	18	F-EPG-G-15CM-48	Genuine Grass® Nasopharyngeal Electrode	49
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9013P0642	HUSH Alligator Clip Lead, 80cm Lead (Red)	22	ACE176	Thermocouple Flow Sensor, Infant	61	FD-E5GH-96	Genuine Grass® Cup Electrode, Gold, 96" Lightweight Lead, Red TP	34
9013R0213	Dantec Disposable Sensory Needle Electrode, 15mm, 22G	8	ACE313	Electro-Cap, Extra Small, Green	38	FG08A-LP10X-OJF	Disposable 8-Contact Grid Electrodes	48
9013R0223	Dantec Disposable Sensory Needle Electrode, 30mm, 22G	8	ACE322	Infra-Cap I, Blue (10/20 system)	38	HH-E5GH-48	Genuine Grass® Cup Electrode, Gold, 48" Lightweight Lead, Yellow TP	34
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