



Natus is a provider of healthcare products used for screening, detection, treatment, monitoring and tracking of common medical ailments such as hearing impairment, neurological dysfunctions, epilepsy, sleep disorders and newborn care.

We are pleased to introduce our complete line of Neurodiagnostic disposable and reusable accessories. You will find the products you need for:

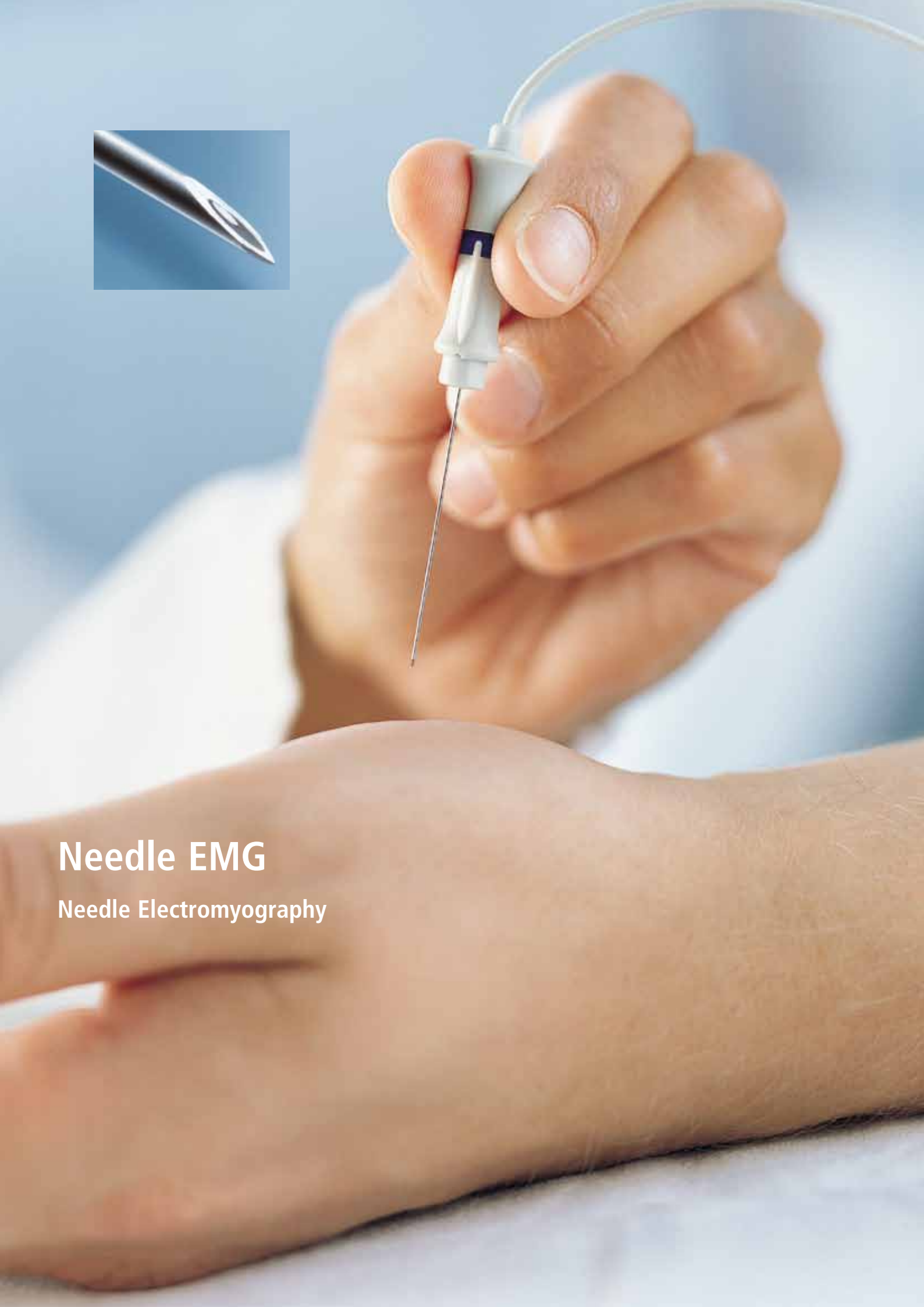
- Needle Electromyography and Nerve Conduction Studies
- Evoked Potentials
- Electroencephalography

Our key priority is to ensure high quality service to our customers. In case of a technical, administrative and logistic issue please contact our team of highly trained staff at any time. When you use Natus supplies, you can be assured you are using quality, safe and cost effective products. Please provide your feedback of our product offering in this catalog online at www.natus.com.

This catalog is subject to change without notice.

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Needle EMG

Needle Electromyography

Dantec Needle EMG

Dantec DCN™ Disposable Concentric Needle Electrodes

Pre-sterilized DCN™ Electrodes have true ergonomic design and are always sharp. Each needle has a matching colour-coded hub and package for easy identification and reordering. The hub has a raised bevel indicator, so you always know the direction of the recording surface. The needle features a coaxial hub that allows you to easily connect the needles into the HUSH® electrode cables without orientation. A wiping contact is used inside the hub to optimize the connection throughout the life of the cable and reduce oxide build-up. The cable can withstand a 50 lbs pull test, so it is made to last. Each needle is pre-sterilized.



For single patient use only.

Order #	Length	Diameter	Recording Area	Type	Handle/Package Colour
9013S0012	25 mm	0.30 mm (30G)	0.019 mm ²	DCF25	Orange
9013S0022	25 mm	0.46 mm (26G)	0.07 mm ²	DCN25	Green
9013S0032	37 mm	0.46 mm (26G)	0.07 mm ²	DCN37	Blue
9013S0042	50 mm	0.46 mm (26G)	0.07 mm ²	DCN50	Red
9013S0052	75 mm	0.64 mm (23G)	0.07 mm ²	DCN75	Yellow

Each package contains 25 electrodes packed in individual pouches.

Use with:

Cables for Dantec DCN™

Order #	Description	Length	Electrode End	Instrument End
9013C0013	Shielded Cable	1 m	Coaxial Plug	5 pole DIN
9013C0023	Shielded Cable	2 m	Coaxial Plug	5 pole DIN

Ground Electrodes

Order #	Description	Length	Diameter	Instrument End
9013S0714	Velcro Wraparound	10 cm	15 mm	1.5 mm female TP
9013S0735	Velcro Wraparound	18.5 cm	20 mm	1.5 mm female TP
9013S0775	Velcro Wraparound	45 cm	20 mm	1.5 mm female TP
9013S0745	Velcro Wraparound	75 cm	20 mm	1.5 mm female TP
9013L0852	Stainless Steel Disc	1.5 m	40 mm	1.5 mm female TP
9013L0862	Stainless Steel Disc	1.2 m	30 mm	1.5 mm female TP

Disposable Ground Electrodes

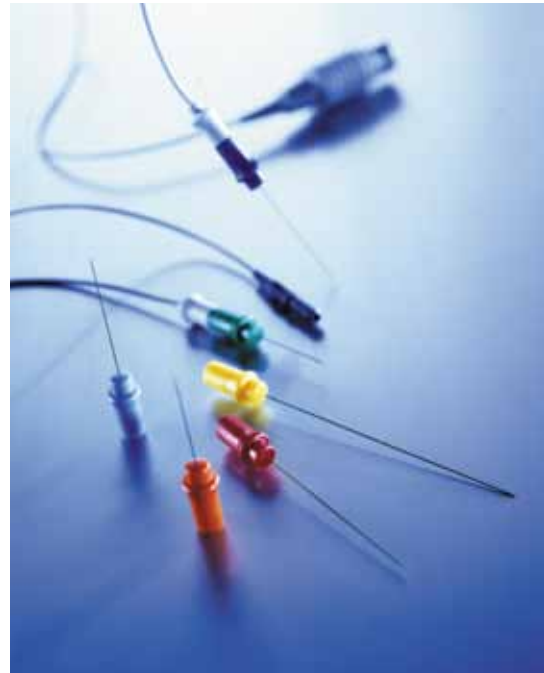
Order #	Description	Recording Area	Lead Length	Lead Connector
9013S0251	Pre-gelled Electrode	35 x 45 mm	—	Pres Stud
9013S0261	Pre-gelled Electrode	35 x 45 mm	150 cm	1.5 mm TP

See also Cable section on pages 38-44.

Dantec DMN™ Disposable Monopolar Needle Electrodes

Pre-sterilized DMN™ Electrodes are made of stainless steel, coated with Polytetrafluorethylene. The exposed tip of the cannula is conically sharpened and serves as the recording area. Shielded and unshielded cables are available. Each needle is pre-sterilized by ETO.

For single patient use only.



Order #	Length	Diameter	Recording Area	Handle/Package Colour
9013S0612	25 mm	0.33 mm (28G)	0.30 mm ²	● Orange
9013S0622	25 mm	0.40 mm (26G)	0.30 mm ²	● Green
9013S0632	37 mm	0.33 mm (28G)	0.30 mm ²	● Light blue
9013S0642	37 mm	0.40 mm (26G)	0.30 mm ²	● Blue
9013S0652	50 mm	0.40 mm (26G)	0.30 mm ²	● Red
9013S0662	75 mm	0.40 mm (26G)	0.30 mm ²	● Yellow

Each package contains 48 electrodes packed in individual pouches.

Important Information for Users of Disposable Needle Electrodes

Dantec Disposable Needle Electrodes cannot be re-sterilized and are for single patient use only.

Do not reuse but discard used needle electrodes in a properly marked medical biohazard sharps container.

Dantec Needle EMG

Use with:

Cables for Dantec DMN™

Order #	Description	Length	Electrode End	Instrument End
9013C0032	Shielded Cable	1 m	DMN Connector	5 pole DIN
9013C0042	Unshielded Cable	80 cm	DMN Connector	1.5 mm TP

Surface Electrodes

Order #	Description	Recording Area	Lead Length	Lead Connector
9013S0212	Pre-gelled	15 mm x 20 mm	10 cm	0.7 mm male TP
9013S0242	Pre-gelled	9 mm x 6 mm	8 cm	0.7 mm male TP
9013L0453*	Pre-gelled	9 mm x 6 mm	50 cm	1.5 mm female TP
9013L0203	Non-gelled	7 mm x 4 mm	8 cm	0.7 mm male TP
9013S0232**	Tab Electrode	10 mm	—	—
9021S0235	Pre-gelled	20 mm x 25 mm	20 cm	0.7 mm male TP

Cables for Surface Electrodes

Order #	Description	Length	Electrode End	Instrument End
9013C0152	Unshielded Cable	80 cm	1 x 0.7 mm female TP	1 x 1.5 mm female TP
9013C0242	Unshielded Cable	2 m	1 x 0.7 mm female TP	1 x 1.5 mm female TP
9013C0302*	Yoke Cable	1.5 m	3 x 1.5 mm male TP	5 pole DIN - Right Angle
9013C0312*	Yoke Cable	1.5 m	3 x 1.5 mm male TP	5 pole DIN - Straight
9013P0602**	Unshielded Cable	80 cm	Clip connector Green	1.5 mm female TP
9013P0642**	Unshielded Cable	80 cm	Clip connector Red	1.5 mm female TP

Ground Electrodes

Order #	Description	Length	Diameter	Instrument End
9013S0714	Velcro Wraparound	10 cm	15 mm	1.5 mm female TP
9013S0735	Velcro Wraparound	18.5 cm	20 mm	1.5 mm female TP
9013S0775	Velcro Wraparound	45 cm	20 mm	1.5 mm female TP
9013S0745	Velcro Wraparound	75 cm	20 mm	1.5 mm female TP
9013L0852	Stainless Steel Disc	1.5 m	40 mm	1.5 mm female TP
9013L0862	Stainless Steel Disc	1.2 m	30 mm	1.5 mm female TP

Disposable Ground Electrodes

Order #	Description	Recording Area	Lead Length	Lead Connector
9013S0251	Pre-gelled Electrode	35 x 45 mm	—	Pres Stud
9013S0261	Pre-gelled Electrode	35 x 45 mm	150 cm	1.5 mm TP

Surface Electrodes marked with e.g. * require a cable marked with a similar * etc.

See also Cable section on pages 38-44.

A fast and easy pathway to injection of medicinal products

The Dantec Clavis™ device is designed to provide the functionality of EMG recording and stimulation, with the mobility and simplicity Clavis can deliver. Clavis is the first device to combine the quality of larger systems with the ease and flexibility of a handheld "PDA-size" device.



Order #	Description
9015A0012	EMG/Stim Device
9013S0182	Clavis™ Starter Kit: 3 x Bo-ject® Disposable Hypodermic Needle Electrode: 9013S0442 3 x Bo-ject® Disposable Hypodermic Needle Electrode: 9013S0452 1 package of 12 Disposable Pre-gelled Surface Electrodes: 9013L0453

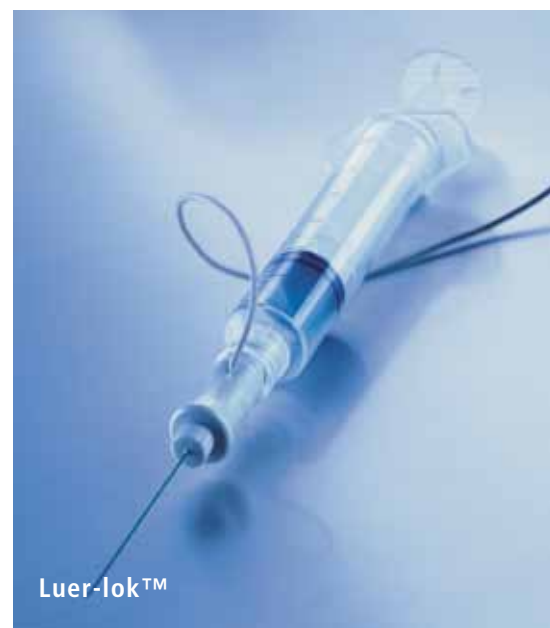
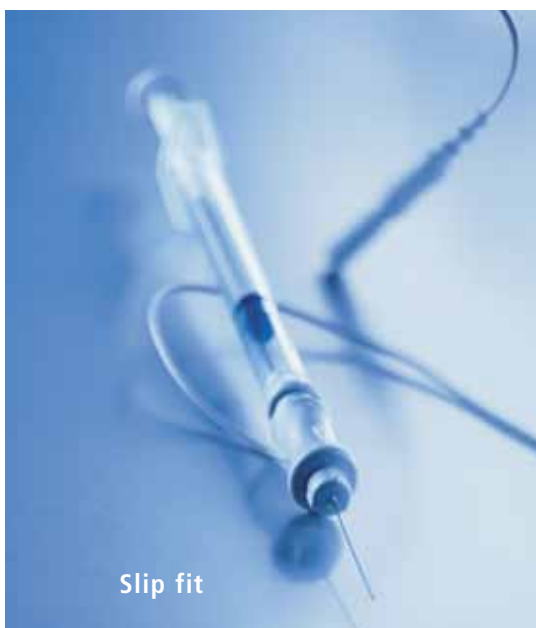
Bo-ject® Disposable Hypodermic Needle Electrodes

High-quality Disposable Hypodermic Needle Electrode to be used for simultaneous medicament injection and recording. Bo-ject® fits both Luer-lok™ and slip fit syringes. Each needle is pre-sterilized by ETO.

For single patient use only.

Order #	Length	Diameter	Type	Instrument End	Handle/Package Colour
9013S0422	25 mm	0.30 mm (30G)	DHF 25	1.5 mm female TP	Orange
9013S0432	25 mm	0.41 mm (27G)	DHN 25	1.5 mm female TP	Green
9013S0442	37 mm	0.41 mm (27G)	DHF 37	1.5 mm female TP	Light blue
9013S0472	37 mm	0.46 mm (26G)	DHN37	1.5 mm female TP	Blue
9013S0452	50 mm	0.46 mm (26G)	DHN 50	1.5 mm female TP	Red
9013S0462	75 mm	0.64 mm (23G)	DHN 75	1.5 mm female TP	Yellow

Each package contains 12 electrodes packed in individual pouches.



Dantec Needle EMG

Use with:

Surface Electrodes

Order #	Description	Recording Area	Lead Length	Lead Connector
9013S0212	Pre-gelled	15 mm x 20 mm	10 cm	0.7 mm male TP
9013S0242	Pre-gelled	9 mm x 6 mm	8 cm	0.7 mm male TP
9013L0453*	Pre-gelled	9 mm x 6 mm	50 cm	1.5 mm female TP
9013L0203	Non-gelled	7 mm x 4 mm	8 cm	0.7 mm male TP
9013S0232**	Tab Electrode	10 mm	—	—
9021S0235	Pre-gelled	20 mm x 25 mm	20 cm	0.7 mm male TP

Cables for Surface Electrodes and Bo-ject®

Order #	Description	Length	Electrode End	Instrument End
9013C0302*	Yoke Cable	1.5 m	3 x 1.5 mm male TP	5 pole DIN - Right Angle
9013C0312*	Yoke Cable	1.5 m	3 x 1.5 mm male TP	5 pole DIN - Straight
9013C0152	Unshielded Cable	80 cm	1 x 0.7 mm female TP	1 x 1.5 mm female TP
9013C0242	Unshielded Cable	2 m	1 x 0.7 mm female TP	1 x 1.5 mm female TP
9013P0733*	Unshielded Cable	1 m	1 x 1.5 mm male TP	1 x 1.5 mm female TP
9013P0602**	Unshielded Cable	80 cm	Clip Connector Green	1.5 mm female TP
9013P0642**	Unshielded Cable	80 cm	Clip Connector Red	1.5 mm female TP

Ground Electrodes

Order #	Description	Length	Diameter	Instrument End
9013S0714	Velcro Wraparound	10 cm	15 mm	1.5 mm female TP
9013S0735	Velcro Wraparound	18.5 cm	20 mm	1.5 mm female TP
9013S0775	Velcro Wraparound	45 cm	20 mm	1.5 mm female TP
9013S0745	Velcro Wraparound	75 cm	20 mm	1.5 mm female TP
9013L0852	Stainless Steel Disc	1.5 m	40 mm	1.5 mm female TP
9013L0862	Stainless Steel Disc	1.2 m	30 mm	1.5 mm female TP

Disposable Ground Electrodes

Order #	Description	Recording Area	Lead Length	Lead Connector
9013S0251	Pre-gelled Electrode	35 x 45 mm	—	Pres Stud
9013S0261	Pre-gelled Electrode	35 x 45 mm	150 cm	1.5 mm TP

Surface Electrodes marked with e.g. * require a cable marked with a similar * etc. / See also Cable section on pages 38-44.

Dantec Autoclaveable Concentric Needle Electrodes

The Autoclaveable Concentric Needle Electrode consists of an 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.

Order #	Length	Diameter	Recording Area
9013L0582	20 mm	0.30 mm (30G)	0.019 mm ²
9013L0513	20 mm	0.45 mm (26G)	0.07 mm ²
9013L0503	30 mm	0.45 mm (26G)	0.07 mm ²
9013L0493	40 mm	0.45 mm (26G)	0.07 mm ²
9013L0312	42 mm	0.65 mm (23G)	0.07 mm ²
9013L0302	65 mm	0.65 mm (23G)	0.07 mm ²



Dantec Autoclaveable Single Fiber Needle Electrode

The Autoclaveable Single Fiber Needle Electrode consists of a platinum recording surface presented through a side port opposite the cutting edge bevel. The core diameter is 25 µm.

Order #	Length	Diameter
9013K0873	40 mm	0.45 mm (26G)



Important Information for Users of Single Fiber Needle Electrodes

Electrolytic Treatment using Stimulus Output

Set the Stimulus Output of the EMG System:

Stimulation frequency: 20 Hz

Pulse duration: 1 msec

Stimulus polarity: - (Negative)

Stimulus current: in OFF, adjust to 1 mA

Connect the electrode to the Stimulus Output socket and place the electrode in a glass containing 0.9% saline. Switch to ON in train mode. Treatment time is 10 sec.

Use with:

Cable for Dantec Autoclaveable Concentric and Single Fiber Needle Electrodes

Order #	Description	Length	Electrode End	Instrument End
9013L0014	Cable	1 m	Mini-socket	5 pole DIN

Ground Electrodes

Order #	Description	Length	Diameter	Instrument End
9013S0714	Velcro Wraparound	10 cm	15 mm	1.5 mm female TP
9013S0735	Velcro Wraparound	18.5 cm	20 mm	1.5 mm female TP
9013S0775	Velcro Wraparound	45 cm	20 mm	1.5 mm female TP
9013S0745	Velcro Wraparound	75 cm	20 mm	1.5 mm female TP
9013L0852	Stainless Steel Disc	1.5 m	40 mm	1.5 mm female TP
9013L0862	Stainless Steel Disc	1.2 m	30 mm	1.5 mm female TP

Disposable Ground Electrodes

Order #	Description	Recording Area	Lead Length	Lead Connector
9013S0251	Pre-gelled Electrode	35 x 45 mm	—	Pres Stud
9013S0261	Pre-gelled Electrode	35 x 45 mm	150 cm	1.5 mm TP

See also Cable section on pages 38-44.

ValueLine — Needle EMG

DCN Disposable Concentric Needle Electrodes

The stainless steel needle with steel core wire has a sharper tip and smooth canula surface for easy skin penetration and greater patient comfort. Color coded hub for quick indication of size, with an index mark, allowing you to know the direction of the recording surface. The 360° solid gold plated pin offers complete contact with easy cable connection. Single use only.

Order #	Length	Diameter	Color	Qty
9013S0901	20 mm	0.35 mm (28G)	White	25/bx
9013S0911	25 mm	0.30 mm (30G)	Violet	25/bx
9013S0921	30 mm	0.35 mm (28G)	Red	25/bx
9013S0931	30 mm	0.45 mm (26G)	Orange	25/bx
9013S0971	40 mm	0.35 mm (28G)	Grey	25/bx
9013S0941	40 mm	0.45 mm (26G)	Black	25/bx
9013S0981	50 mm	0.35 mm (28G)	Green	25/bx
9013S0951	50 mm	0.45 mm (26G)	Yellow	25/bx
9013S1001	60 mm	0.50 mm (25G)	Blue	25/bx
9013S0961	70 mm	0.60 mm (23G)	Brown	25/bx

Note: Each needle is individually packaged and pre-sterilized. Requires cable listed below.



Reusable Concentric Needle Cable

This cable is shielded terminating in 5 pin DIN connector, available in two sizes and fits most EMG systems.

Order #	Length	Qty
9013C0901	1 m	1/ea
9013C0911	2 m	1/ea



9013C0901

DMN Disposable Monopolar Needle Electrodes

The stainless steel needle coated with Teflon has a sharper tip for easy skin penetration and greater patient comfort. The needle electrode has pre-attached 120 cm lead wire with 1.5 mm TP connectors. Single use only.

Order #	Length	Diameter	Qty
9013R0501	15 mm	0.35 mm (28G)	40/bx
9013R0511	35 mm	0.35 mm (28G)	40/bx
9013R0521	45 mm	0.35 mm (28G)	40/bx

Note: Each needle is individually packaged and pre-sterilized.



9013R0501 - 9013R0521

DHN Disposable Hypodermic Needle Electrodes

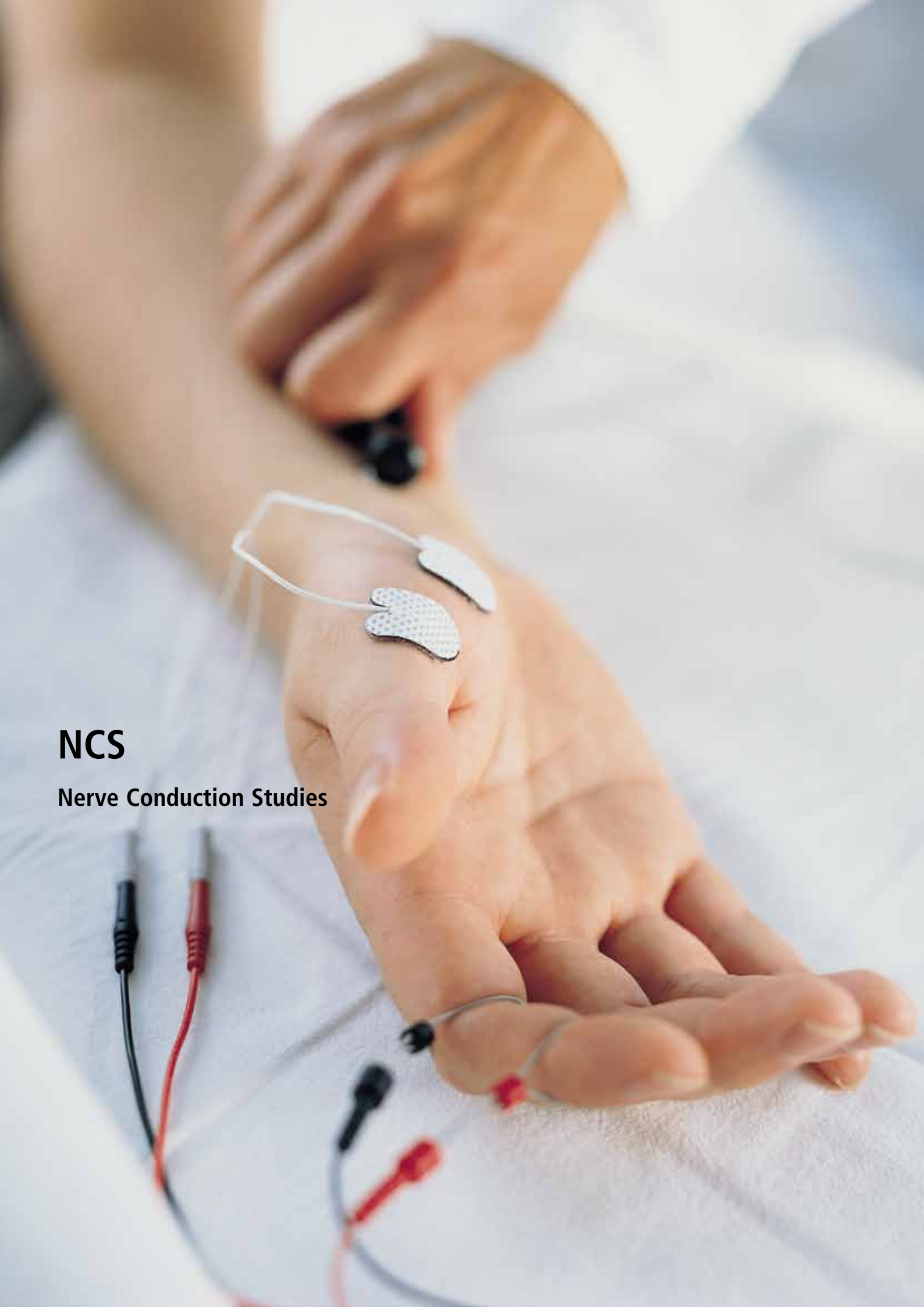
The stainless steel needle coated with Teflon allowing for easy skin penetration and greater patient comfort. Intended to be used for injection of Botulinum Toxin into a muscle, while recording electromyography activity. The needle electrode has pre-attached 70 cm lead wire and color coded cable with 1.5 mm TP connectors. The special hub design offers the convenience of using either a standard slip-fit and Luer-Lok syringe. Single use only.

Order #	Length	Diameter	Color	Qty
9013R0401	25 mm	0.30 mm (30G)	Blue	10/bx
9013R0411	25 mm	0.40 mm (26G)	Green	10/bx
9013R0421	37 mm	0.45 mm (26G)	Pink	10/bx
9013R0431	50 mm	0.50 mm (25G)	White	10/bx
9013R0441	75 mm	0.70 mm (22G)	Grey	10/bx

Note: Each needle is individually packaged and pre-sterilized.



9013R0401 - 9013R0441



NCS

Nerve Conduction Studies

NCS/EMG SUPPLIES



Dantec Disposable Sensory Needle Electrodes

Pre-sterilized Disposable Sensory Needle Electrodes are specifically designed for recording leading off potentials from sensory nerves. These stainless steel needle electrodes are insulated. The exposed tip of the cannula is trocar shaped and serves as the recording area. Each needle is pre-sterilized by ETO.

For single patient use only.

Order #	Length	Diameter	Recording Area
9013R0243	15 mm	0.35 mm (28G)	Reference 3.5 mm ²
9013R0213	15 mm	0.70 mm (22G)	Reference 8.0 mm ²
9013R0272	20 mm	0.35 mm (28G)	Active 2.0 mm ²
9013R0253	30 mm	0.35 mm (28G)	Active 2.0 mm ²
9013R0223	30 mm	0.70 mm (22G)	Active 5.0 mm ²
9013R0233	50 mm	0.70 mm (22G)	Active 5.0 mm ²

Each package contains 25 electrodes.

Use with:

Cables

Order #	Description	Length	Electrode End	Instrument End
9013C0112	Shielded Cable	1 m	2 x 0.7 mm female TP	5 pole DIN
9013C0122	Shielded Cable	2 m	2 x 0.7 mm female TP	5 pole DIN
9013C0212	Shielded Cable	1 m	2 x 0.7 mm female and 1 clip	5 pole DIN
9013C0223	Shielded Cable	2 m	2 x 0.7 mm female and 1 clip	5 pole DIN
9013C0132	Shielded Cable	1 m	3 x 0.7 mm female TP	5 pole DIN
9013C0142	Shielded Cable	2 m	3 x 0.7 mm female TP	5 pole DIN
9013C0152	Unshielded Cable	80 cm	1 x 0.7 mm female TP	1 x 1.5 mm female TP
9013C0242	Unshielded Cable	2 m	1 x 0.7 mm female TP	1 x 1.5 mm female TP

See also Cable section on pages 38-44.

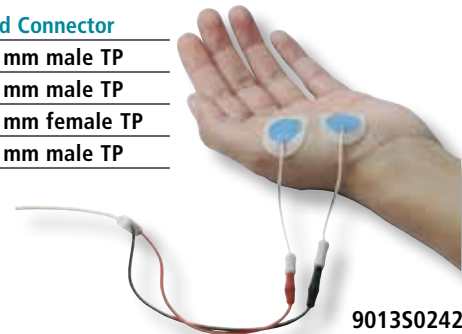
Pre-gelled Surface Electrodes

Each electrode has a silver-silver chloride recording surface with an aggressive hydro-gel adhesive and can be repositioned on the same patient.



Order #	Recording Area	Lead Length	Lead Connector
9013S0212	15 mm x 20 mm	10 cm	0.7 mm male TP
9013S0242	9 mm x 6 mm	8 cm	0.7 mm male TP
9013L0453*	9 mm x 6 mm	50 cm	1.5 mm female TP
9021S0235	20 mm x 25 mm	20 cm	0.7 mm male TP

Each package contains 12 electrodes.



9013S0242

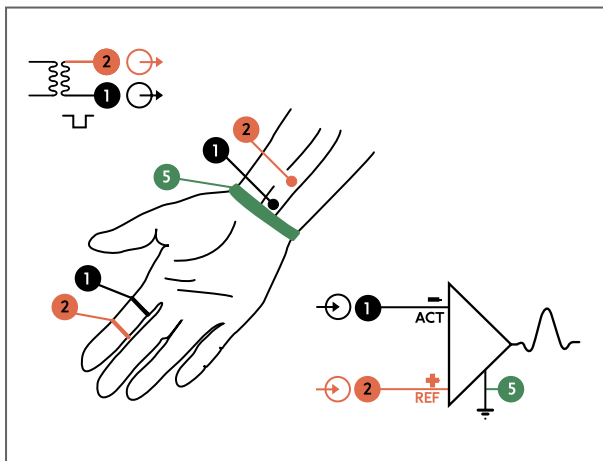


Non-gelled Surface Electrodes

Non-gelled Surface Electrodes are some of our most popular products because of their small recording area and adhesive. Each electrode has a silver-silver chloride sensor. The small recording area of this electrode provides highly accurate, optimal recordings.

Order #	Recording Area	Lead Length	Lead Connector
9013L0203	7 mm x 4 mm	8 cm	0.7 mm male TP

Each package contains 50 electrodes.



NCS/EMG SUPPLIES

Tab Electrodes

Tab Electrodes are made with a 10 mm diameter silver-silver chloride recording area and clear adhesive hydro-gel.



Order #	Recording Area
9013S0232**	10 mm

Each package contains 100 electrodes.

Use with:

Cables for Surface Electrodes

Order #	Description	Length	Electrode End	Instrument End
9013C0112	Shielded Cable	1 m	2 x 0.7 mm female TP	5 pole DIN
9013C0122	Shielded Cable	2 m	2 x 0.7 mm female TP	5 pole DIN
9013C0132	Shielded Cable	1 m	3 x 0.7 mm female TP	5 pole DIN
9013C0142	Shielded Cable	2 m	3 x 0.7 mm female TP	5 pole DIN
9013C0302*	Yoke Cable	1.5 m	3 x 1.5 mm male TP	5 pole DIN - Right Angle
9013C0312*	Yoke Cable	1.5 m	3 x 1.5 mm male TP	5 pole DIN - Straight
9013C0232**	Shielded Cable	1 m	3 colour-coded clips (red, green, black)	5 pole DIN
9013P0602**	Unshielded Cable	80 cm	Clip Connector Green	1.5 mm female TP
9013P0622**	Unshielded Cable	80 cm	Clip Connector Black	1.5 mm female TP
9013P0642**	Unshielded Cable	80 cm	Clip Connector Red	1.5 mm female TP
9013C0212**	Shielded Cable	1 m	2 x 0.7 mm female and 1 clip	5 pole DIN
9013C0223**	Shielded Cable	2 m	2 x 0.7 mm female and 1 clip	5 pole DIN

Conductive Electrode Gel

Order #	Description	Volume
9015B4114	Signa Electrode Gel with Salt	250 g
9013G5012	Spectra 360 Electrode Gel without Salt	250 g

Surface Electrodes marked with e.g. * require a cable marked with a similar * etc.
See also Cable section on pages 38-44.

Digital Ring Electrodes

Recording or stimulating from the digits with the strong Digital Ring Electrodes provides optimal results, because the test is shielded from external artifact. The cable can withstand a pull test of more than 50 lbs. The surface area of each electrode is minimized to deliver accurate amplitudes and reduce bridging caused by excess electro gel.



Order #	Length	Description	Instrument End
9013S0302	1 m	2 x Digital Rings	5 pole DIN



Digital Ring Electrode with twisted wires and 1.5 mm TP connectors.

Order #	Length	Description	Instrument End
9013S0312	1 m	2 x Digital Rings	2 x 1.5 mm female TP

The large Digital Ring Electrode provides optimal results for penile stimulation. Features a 1.2 m unshielded cable with TP connectors.

Order #	Length	Description	Instrument End
9013S0332	1.2 m	2 x Digital Rings	2 x 1.5 mm female TP



Velcro Digital Ring Electrodes

Saline soak electrodes eliminate the need for electrolyte gel and are reusable. This Velcro Digital Ring electrode set wraps around the digit and connects to a shielded cable for optimal results.

Order #	Description	Material
9013L1702	5 mm x 65 mm	Velcro Ribbon
9013L0692*	5 mm x 65 mm	Velcro Ribbon

*Includes cable.



HUSH® Shielded Electrode Cables for Velcro Digital Ring Electrodes are available in two lengths for added convenience. Cables fit most EMG instruments.

Order #	Length	Description	Instrument End
9013C0112	1 m	2 x 0.7 mm female	5 pole DIN
9013C0122	2 m	2 x 0.7 mm female	5 pole DIN

NCS/EMG SUPPLIES

HUSH® Bar Electrodes

Recording or stimulating with the HUSH® Bar Electrodes provides optimal results because they shield the test from external artifact. The cable can withstand a pull test of more than 50 lbs. Two 10 mm discs are fixed in a plastic mount with 30 mm from center to center.



9013S0352



9013S0362

Order #	Length	Description	Instrument End
9013S0352	1 m	2 x 10 mm discs with 30 mm spacing	5 pole DIN
9013S0362	1 m	2 x 10 mm discs with 30 mm spacing	2 x 1.5 mm female TP

HUSH® Disc Electrodes

Recording or stimulating with the HUSH® Disc Electrodes provides optimal results because they shield the test from external artifact. The cable can withstand a pull test of more than 50 lbs. The surface area of each disc is standardized to deliver accurate amplitudes.



9013S0402



9013S0412

Order #	Length	Description	Instrument End
9013S0402	1 m	2 x 10 mm discs	5 pole DIN
9013S0412	1 m	2 x 10 mm discs	2 x 1.5 mm female TP

Hand-Held Stimulating Electrodes

Hand-Held Stimulating Electrodes use a bipolar, saline soaked felt pad for stimulating or recording motor and/or sensory nerves. The center-to-center distance between the felt tips is offered in three standardized versions. An indicator locates the cathode.

Order #	Length	Description	Instrument End
9013L0362	2 m	Two 6 mm felt tips diameter pads 23 mm apart	5 pole DIN
9013L0352	2 m	Two 3 mm felt tips diameter pads 10 mm apart	5 pole DIN
9013L0222	2 m	Two 6 mm felt tips diameter pads 23 mm apart fixed handle	5 pole DIN

Order #	Length	Description	Instrument End
9031E0171	2.5 m	Advanced Stimulation Handgrip	6 pole DIN

The Fixation Strap can be used to attach the Hand-Held Stimulating Electrodes conveniently.

Order #	Length	Width	Material
9013L0382	50 cm	2 cm	Velcro Ribbon

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

Order #	Length	Diameter
9013L3522	7 mm	7.5 mm
9013L3532	8 mm	3 mm

Each package contains 100 felt tips.

9013L0362

9013L0352

9013L0222

9031E0171

9013L0382

9013L3532

9013L3522

Information for Users of Hand-Held Stimulating Electrodes

Felt tips cannot be sterilized. Natus recommends that felt tips are replaced after each use due to contamination risks.

NCS/EMG SUPPLIES

Reusable Ground Electrodes

Velcro Wraparound Ground Electrodes are large, saline soaked surface electrodes that are easy to place on the limbs and comfortable for the patient.

Order #	Length	Width	Instrument End
9013S0714	10 cm	15 mm	1.5 mm female TP
9013S0735	18.5 cm	20 mm	1.5 mm female TP
9013S0775	45 cm	20 mm	1.5 mm female TP
9013S0745	75 cm	20 mm	1.5 mm female TP



9013L0852

Stainless steel Disc Ground Electrodes can be attached with tape. Use conductive gel.

Order #	Length	Diameter	Instrument End
9013L0852	1.5 m	40 mm	1.5 mm female TP
9013L0862	1.2 m	30 mm	1.5 mm female TP



9013L0862

Disposable Ground Electrodes

The pre-gelled disposable ground electrodes offer a large surface area. Available with both pres stud and pre-attached lead wire.

Order #	Description	Recording Area	Lead Length	Lead Connector
9013S0251	Pre-gelled disposable ground electrode	35 x 45 mm	—	Pres Stud
9013S0261	Pre-gelled disposable ground electrode	35 x 45 mm	150 cm	1.5 mm TP

Each package contains 5 pouches, each with 4 electrodes.



9013S0261

Use with:

Order #	Description	Length	Electrode End	Instrument End
9013C0931	Unshielded Cable	1 m	Pres Stud	1.5 mm TP

Dantec St. Mark's Pudental NCS Electrode

The Dantec St. Mark's Pudental Electrode is a diagnostic tool for evaluation of patients with pelvic floor disorders. This combined stimulation and recording electrode, used in conjunction with an EMG instrument, allows for easy determination of pudental nerve conduction by sphincter ani motor latency. The electrode has adhesive tabs for mounting onto an examining glove.

Order #	Length	Recording Area	Description
9013L4402	30cm (12")	12mm ²	NOT Pre-sterilized

Each package contains 20 electrodes

Cable for Dantec St. Mark's Pudental Electrode has two DIN plugs: one connects to the EMG pre-amp and the other to the stimulator box. Cable fits most EMG instruments.

Order #	Length	Electrode End	Instrument End
9013L0322	2m (79")	Flat Flex	2 x 5 pole DIN





211038

Stimulation Hand Grip for Electric Stimulator

Order #	Description	Qty
211038	Stimulation hand grip for electric stimulator	1/ea



630576

EMG Bar Electrode

Order #	Description	Qty
630576	EMG bar electrode with tightening strap and 2 felt pads, 40 mm	1/ea
630571NE	EMG bar electrode with tightening strap and 2 felt pads, 20 mm	1/ea



677073

Felt Pads

Order #	Description	Qty
677073	Spare felt pads Items per Unit = 10 pieces	1/pk



630506

Recording Electrodes

Recording electrode (waffle electrode) for the recording of motor and sensitive evoked response potentials 120 cm connection cable 5 pin DIN connector.

Order #	Description	Qty
630506	Recording electrode (waffle electrode)	1/ea



677047

Adapter Connector

Order #	Description	Qty
677047	1 adapter converts 3 pin to 5 pin connector	1/ea



630588

Surface Stimulation Electrodes

Order #	Description	Length	Qty
630575	Surface stimulation electrode, two (2) touch proof DIN connectors	200 cm	1/ea
630588	Surface stimulation electrode exclusively for Schwarzer topas EMG system, 3-pin DIN connector	300 cm	1/ea

DIN-connector, includes felt pads

NCS/EMG SUPPLIES

Gold Plated Metal Inserts

Gold plated metal inserts for use with surface stimulation electrode 630577 and 630575. 2 pieces/pk

Order #	Description	Qty
630591	Gold plated metal inserts (2 pieces/pkg), concave	1/pk
630584NE	Gold plated metal inserts (2 pieces/pkg), convex	1/pk



630591

Felt Pads

Order #	Description	Qty
630593	Felt pads - For use with surface stimulation electrode 630577 and 630575. 20 pieces per pack	1/pk



630593

Tightening Strap

Order #	Description	Qty
630590	Tightening strap	1/ea

For surface stimulation electrodes



630590

Acceleration Transducer

Acceleration transducer for tremor analysis. Cable length 150 cm

Order #	Description	Qty
211066	Acceleration transducer for Schwarzer topas EMG, 150 cm	1/ea
9013L0241	Acceleration transducer for Dantec Keypoint, 200 cm	1/ea



9013L0241

Sinter Electrode

Order #	Description	Qty
515005	Sinter electrode, 1.5 mm touch proof DIN 42802 connectors, white, red, black. Set of 3 electrodes	1/set



515005



508832

Electrode Leads for ECG

Electrode lead. 150 cm connection cable touch proof.

Order #	Description	Qty
508832	DIN-connector and 4 mm connector	1/ea



513200

Adapter Cable

Adapter Cable with 5 pin DIN, female, 180° with touch proof DIN connector

Order #	Description	Qty
513200	Adapter Cable, 5 pin DIN, female	1/ea



525025

Disposable Adhesive Electrode Set

Ag/AgCl 55 mm diameter. 30 per pack.

Order #	Description	Qty
525025	Disposable adhesive electrode	30/pk

Single Use Only



525026

ECG Foam Electrode

Ag/AgCl 35 mm diameter

Order #	Description	Qty
525026	Foam electrode	30/pk

Single Use Only

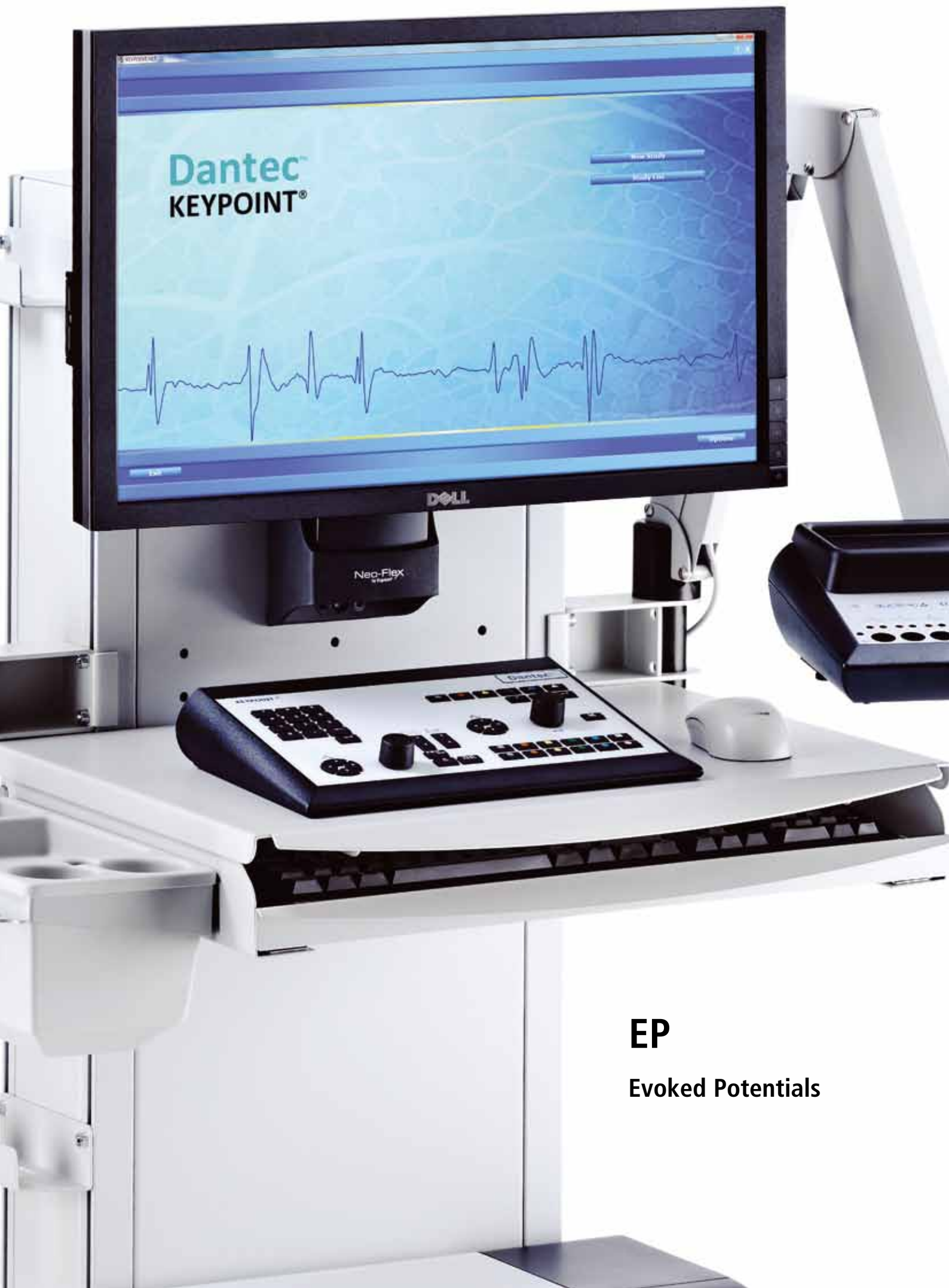


555003

ECG Cable

Order #	Description	Qty
555003	ECG Cable, 2 poles with electrode adapter	1/ea

Single Use Only



EP

Evoked Potentials

Dantec Disposable Scalp Needle Electrodes

Pre-sterilized Dantec Disposable Scalp Needle Electrodes are safe and convenient for use in EP examinations in the clinic as well as in the operating room. Each electrode is made of stainless steel and used for placement directly in the scalp. Each needle is pre-sterilized by ETO.

For single patient use only.

Order #	Length	Diameter	Electrode End
9013R0313	10 mm	0.30 mm (30G)	0.7 mm male TP

Each package contains 40 electrodes



Dantec Autoclaveable Scalp Needle Electrodes

Each electrode is made of platinum and used for placement directly in the scalp.

Order #	Length	Diameter	Electrode End
9013L0702	10 mm	0.30 mm (30G)	0.7 mm male TP

Use with:

Cables

Order #	Description	Length	Electrode End	Instrument End
9013C0112	Shielded Cable	1 m	2 x 0.7 mm female TP	5 pole DIN
9013C0122	Shielded Cable	2 m	2 x 0.7 mm female TP	5 pole DIN
9013C0152	Single Lead	80 cm	1 x 0.7 mm female TP	1 x 1.5 mm female TP
9013C0242	Single Lead	2 m	1 x 0.7 mm female TP	1 x 1.5 mm female TP

See also Cable section on pages 31-37.

Disposable Subdermal Needle Electrodes

Disposable subdermal needle electrodes are available in both a straight version and with hook. The electrode is made of stainless steel with a 15° sharpened tip. The electrodes are pre-sterilized by ETO.

Order #	Description	Length	Diameter	Cable
9013R0601	Subdermal, Straight	12 mm	0.35 mm (28G)	8 cm
9013R0611	Subdermal, Hook	12 mm	0.35 mm (28G)	8 cm

Each package contains 5 pouches, each with 5 electrodes.

Use with:

Order #	Description	Length	Instrument End	Quantity
9013C0921	Cable for Subdermal Needle Electrodes	1.2 m	1.5 mm	10 pcs

Disposable Subdermal Needle Electrodes

The subdermal needle electrodes are color coded for easy identification. The pre-attached lead wire is molded onto the stainless steel needle and the design allows for better patient comfort. The electrodes are pre-sterilized by ETO.

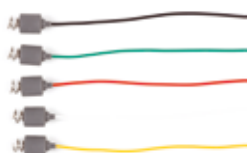


Order #	Description	Length	Diameter	Cable	Instrument End
9013R0621	Subdermal Needle, Twisted Pair	13 mm	0.40 mm (27G)	150 cm	1.5 mm TP
9013R0641	Subdermal Needle, Twisted Pair	13 mm	0.40 mm (27G)	250 cm	1.5 mm TP

Each package contains 5 pairs of electrodes packed in individual pouches.

Order #	Description	Length	Diameter	Cable	Instrument End
9013R0631	Subdermal Needle	13 mm	0.40 mm (27G)	150 cm	1.5 mm TP
9013R0651	Subdermal Needle	13 mm	0.40 mm (27G)	250 cm	1.5 mm TP

Each package contains 25 electrodes packed in individual pouches.



The unique cork screw design keeps the electrode firmly in place during surgery. The sharp tip ensures easy penetration and positioning of the needle. The pre-attached lead wires are color coded for easy identification and each electrode is pre-sterilized by ETO.

Order #	Description	Cable	Instrument End
9013R0681	Cork Screw Electrode	150 cm	1.5 mm TP
9013R0691	Cork Screw Electrode	150 cm	1.5 mm TP

Each package contains 5 pouches, each with 5 electrodes.

Spider EEG Electrodes

A unique alternative to conventional cup electrodes. The Ag/AgCl Spider electrodes can be used with adhesive and conductive cream and offers a very strong adhesion due to the special design. The unique design features a smaller electrode height than conventional cup electrodes.

Order #	Length	Description
9013E2401	1.0 m	10 mm Silver Spider Electrode
9013E2411	1.5 m	10 mm Silver Spider Electrode

Each package contains 10 electrodes.



Light Weight Cup Electrodes

The Light Weight Cup Electrodes are 10 mm diameter with a 2 mm hole. All Light Weight Cup Electrodes have 1.5 mm TP connectors.

Order #	Length	Description
9013S0502	1 m	10 mm Gold-plated Cup
9013S0552	1 m	10 mm Silver Cup

Each package contains 10 electrodes.



9013S0502

9013S0552

Anti-tangle Cup Electrodes

Durable Cup Electrodes that do not tangle are available in a wide range of materials, cup sizes and wire lengths. Choose between Gold, Silver and Silver/Silver Chloride Electrodes.

Standard Cup Electrodes are 10 mm diameter with a 2 mm hole and 1 m wire. Special versions have 10 or 6 mm cups and wire lengths of 1.5, 2, or 2.5 m. All Anti-tangle Cup Electrodes have 1.5 mm TP connectors.



Order #	Length	Description
9013E2112	1 m	10 mm Gold-plated Cup
9013E2132	1.5 m	10 mm Gold-plated Cup
9013E2142	2 m	10 mm Gold-plated Cup
9013E2152	2.5 m	10 mm Gold-plated Cup
9013E2212	1 m	10 mm Silver Cup
9013E2232	1.5 m	10 mm Silver Cup
9013E2242	2 m	10 mm Silver Cup
9013E2252	2.5 m	10 mm Silver Cup
9013E2312	1 m	10 mm Silver/Silver Chloride Cup
9013E2332	1.5 m	10 mm Silver/Silver Chloride Cup
9013E2342	2 m	10 mm Silver/Silver Chloride Cup
9013E2352	2.5 m	10 mm Silver/Silver Chloride Cup
9013E2372	1.5 m	6 mm Silver/Silver Chloride Cup

Each package contains 10 electrodes.

9013S0362



HUSH® Bar Electrodes

Recording or stimulating with the HUSH® Bar Electrodes provides optimal results because they shield the test from external artifact. The cable can withstand a pull test of more than 50 lbs. Two 10 mm discs are fixed in a plastic mount with 30 mm from center to center.



9013S0352

Order #	Length	Description	Instrument End
9013S0352	1 m	2 x 10 mm discs with 30 mm spacing	5 pole DIN
9013S0362	1 m	2 x 10 mm discs with 30 mm spacing	2 x 1.5 mm female TP

HUSH® Disc Electrodes

Recording or stimulating with the HUSH® Disc Electrodes provides optimal results because they shield the test from external artifact. The cable can withstand a pull test of more than 50 lbs. The surface area of each disc is standardized to deliver accurate amplitudes.



9013S0412



9013S0402

Order #	Length	Description	Instrument End
9013S0402	1 m	2 x 10 mm discs	5 pole DIN
9013S0412	1 m	2 x 10 mm discs	2 x 1.5 mm female TP

Hand-Held Stimulating Electrodes

Hand-Held Stimulating Electrodes use a bipolar, saline soaked felt pad for stimulating or recording motor and/or sensory nerves. The center-to-center distance between the felt tips is offered in three standardized versions. An indicator locates the cathode.

Order #	Length	Description	Instrument End
9013L0362	2 m	Two 6 mm felt tips diameter pads 23 mm apart	5 pole DIN
9013L0352	2 m	Two 3 mm felt tips diameter pads 10 mm apart	5 pole DIN
9013L0222	2 m	Two 6 mm felt tips diameter pads 23 mm apart fixed handle	5 pole DIN

Order #	Length	Description	Instrument End
9031E0171	2.5 m	Advanced Stimulation Handgrip	6 pole DIN

The Fixation Strap can be used to attach the Hand-Held Stimulating Electrodes conveniently.

Order #	Length	Width	Material
9013L0382	50 cm	2 cm	Velcro Ribbon

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

Order #	Length	Diameter
9013L3522	7 mm	7.5 mm
9013L3532	8 mm	3 mm

Each package contains 100 felt tips.



9013L0222



9031E0171



9013L0382

9013L3532



9013L3522

Information for Users of Hand-Held Stimulating Electrodes

Felt tips cannot be sterilized. Natus recommends that felt tips are replaced after each use due to contamination risks.

Resuable Ground Electrodes

Velcro Wraparound Ground Electrodes are large, saline soaked surface electrodes that are easy to place on the limbs and comfortable for the patient.

Order #	Length	Width	Instrument End
9013S0714	10 cm	15 mm	1.5 mm female TP
9013S0735	18.5 cm	20 mm	1.5 mm female TP
9013S0775	45 cm	20 mm	1.5 mm female TP
9013S0745	75 cm	20 mm	1.5 mm female TP



9013L0852

Stainless steel Disc Ground Electrodes can be attached with tape. Use conductive gel.

Order #	Length	Diameter	Instrument End
9013L0852	1.5 m	40 mm	1.5 mm female TP
9013L0862	1.2 m	30 mm	1.5 mm female TP



9013L0862

Disposable Ground Electrodes

The pre-gelled disposable ground electrodes offer a large surface area. Available with both pres stud and pre-attached lead wire.

Order #	Description	Recording Area	Lead Length	Lead Connector
9013S0251	Pre-gelled disposable ground electrode	35 x 45 mm	—	Pres Stud
9013S0261	Pre-gelled disposable ground electrode	35 x 45 mm	150 cm	1.5 mm TP

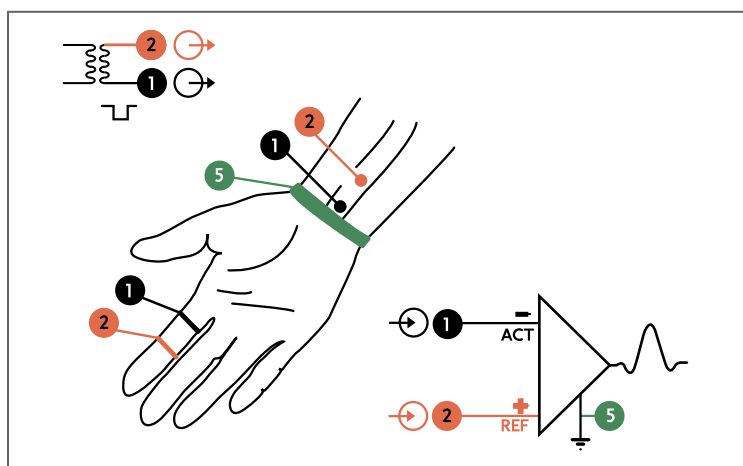
Each package contains 5 pouches, each with 4 electrodes.



9013S0261

Use with:

Order #	Description	Length	Electrode End	Instrument End
9013C0931	Unshielded Cable	1 m	Pres Stud	1.5 mm TP



Shielded Electrode Cable for SEP

Order #	Description	Qty
630830	Length = 120 cm	1/ea



630830



EEG

Electroencephalography

Dantec Disposable Scalp Needle Electrodes

Pre-sterilized Disposable Scalp Needle Electrodes are safe and convenient for use in EEG examinations in the clinic as well as in the operating room. Each electrode is made of stainless steel and used for placement directly in the scalp. Each needle is pre-sterilized by ETO.

For single patient use only.

Order #	Length	Diameter	Electrode End
9013R0313	10 mm	0.30 mm (30G)	0.7 mm male TP

Each package contains 40 electrodes



Dantec Autoclaveable Scalp Needle Electrodes

Each electrode is made of platinum and used for placement directly in the scalp.

Order #	Length	Diameter	Electrode End
9013L0702	10 mm	0.30 mm (30G)	0.7 mm male TP

Use with:

Cables

Order #	Description	Length	Electrode End	Instrument End
9013C0152	Single Lead	80 cm	1 x 0.7 mm female TP	1 x 1.5 mm female TP
9013C0242	Single Lead	2 m	1 x 0.7 mm female TP	1 x 1.5 mm female TP

See also Cable section on pages 38-44.

Disposable Subdermal Needle Electrodes

Disposable subdermal needle electrodes are available in both a straight version and with hook. The electrode is made of stainless steel with a 15° sharpened tip. The electrodes are pre-sterilized by ETO.

Order #	Description	Length	Diameter	Cable
9013R0601	Subdermal, Straight	12 mm	0.35 mm (28G)	8 cm
9013R0611	Subdermal, Hook	12 mm	0.35 mm (28G)	8 cm

Each package contains 5 pouches, each with 5 electrodes.

Use with:

Order #	Description	Length	Instrument End	Quantity
9013C0921	Cable for Subdermal Needle Electrodes	1.2 m	1.5 mm	10 pcs

The subdermal needle electrodes are color coded for easy identification. The pre-attached lead wire is molded onto the stainless steel needle and the design allows for better patient comfort. The electrodes are pre-sterilized by ETO.

Order #	Description	Length	Diameter	Cable	Instrument End
9013R0621	Subdermal Needle, Twisted Pair	13 mm	0.40 mm (27G)	150 cm	1.5 mm TP
9013R0641	Subdermal Needle, Twisted Pair	13 mm	0.40 mm (27G)	250 cm	1.5 mm TP

Each package contains 5 pairs of electrodes packed in individual pouches.

Order #	Description	Length	Diameter	Cable	Instrument End
9013R0631	Subdermal Needle	13 mm	0.40 mm (27G)	150 cm	1.5 mm TP
9013R0651	Subdermal Needle	13 mm	0.40 mm (27G)	250 cm	1.5 mm TP

Each package contains 25 electrodes packed in individual pouches.

The unique cork screw design keeps the electrode firmly in place during surgery. The sharp tip ensures easy penetration and positioning of the needle. The pre-attached lead wires are color coded for easy identification and each electrode is pre-sterilized by ETO.

Order #	Description	Cable	Instrument End
9013R0681	Cork Screw Electrode	150 cm	1.5 mm TP
9013R0691	Cork Screw Electrode	150 cm	1.5 mm TP

Each package contains 5 pouches, each with 5 electrodes.



EEG

EEG HEAD CAP SYSTEM



EEG Head Caps

The fully adjustable silicon rubber Head Cap is available in a wide range of sizes. Colour codes ensure easy identification of appropriate cap sizes.

Order #	Description	Size	Version
9013E1112	Neonatal	16 cm	Coloured rubber bands
9013E1122	Baby	20 cm	Coloured rubber bands
9013E1132	Child	24 cm	Coloured rubber bands
9013E1142	Small Adult	30 cm	Transparent
9013E1152	Large Adult	40 cm	Transparent
9013E1212	Intermediate 1	18 cm	Coloured rubber bands
9013E1222	Intermediate 2	22 cm	Coloured rubber bands
9013E1232	Intermediate 3	26 cm	Coloured rubber bands
9013E1242	Intermediate 4	28 cm	Coloured rubber bands
9013E1252	Intermediate 5	32 cm	Coloured rubber bands
9013E1262	Intermediate 6	37 cm	Coloured rubber bands

Monopode Bridge Electrodes

Adjustable Monopode Bridge Electrodes are made of goldplated fine silver and have a sintered Ag/AgCl (silver silver chloride) contact area. Use the electrodes with or without cotton or felt pads. Saline should be used with the pads and a conductive gel, if the electrodes are used alone.

Order #	Description	Electrode End	Units/package
9013E1312	Adult - blue	2 mm Pin/Crocodile	21 electrodes
9013E1322	Adult - blue	2 mm Pin/Crocodile	5 electrodes
9013E1332	Child - green	2 mm Pin/Crocodile	21 electrodes
9013E1342	Child - green	2 mm Pin/Crocodile	5 electrodes
9013E1352	Adult - red	2 mm Pin/Crocodile	21 electrodes
9013E1362	Adult - red	2 mm Pin/Crocodile	5 electrodes
9013E1372	Child - orange	2 mm Pin/Crocodile	21 electrodes
9013E1382	Child - orange	2 mm Pin/Crocodile	5 electrodes

For information on risk patient electrodes, please contact your local representative.



Use with:

Gold-plated 2 mm Spring Pin or Insulated Crocodile cables

Order #	Length	Electrode end	Instrument end	Units/package
9013E1512	1 m	2 mm Spring Pin	1.5 mm female TP	21 cables
9013E1522	1 m	2 mm Spring Pin	1.5 mm female TP	5 cables
9013E1532	1 m	Crocodile	1.5 mm female TP	21 cables
9013E1542	1 m	Crocodile	1.5 mm female TP	5 cables



Replacement Pads and Tool

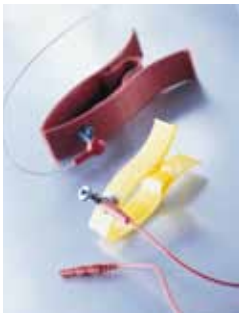
Cotton pads should be replaced after each patient. This is easily done with the Pad Replacement Tool.

Order #	Description	Size	Units/Package
9013E1412	Replacement pads/o-rings	28 mm	100/50
9013E1422	Replacement pads/o-rings	32 mm	100/50
9013E1432	Tool for pad replacement		1

Storage and Saline Bowl

The Storage and Saline Bowl for Monopode Bridge Electrodes is convenient for electrode storage and saline preparation purposes.

Order #	Description
9013E1612	Storage and Saline Bowl



ECG Clip Electrodes

Non-metallic ECG Clip Electrodes with Ag/AgCl contact area. The one-piece design ensures both comfort and durability.

Order #	Description	Electrode End
9013E1812	Adult	Press stud/4 mm Pin
9013E1822	Child	Press stud/4 mm Pin

Each package contains two electrodes.

Ear Electrode

Ear Electrode with Ag/AgCl contact area and 1 m lead wire. The tension of the electrode is adjustable for optimal patient comfort and ease of use.



Order #	Description	Instrument End
9013E1712	Ear Electrode	1.5 mm femaleTP

Each package contains two electrodes.

Use with:

Cables for ECG Clip Electrodes

Order #	Length	Electrode end	Instrument end
9013E1562	1.5 m	4 mm spring Pin	1.5 mm female TP
9013E1572	1.5 m	Press stud	1.5 mm female TP

Each package contains two cables.

EEG



9013S0502

CUP ELECTRODES

Light Weight Cup Electrodes

The Light Weight Cup Electrodes are 10 mm diameter with a 2 mm hole. All Light Weight Cup Electrodes have 1.5 mm TP connectors.

Order #	Length	Description
9013S0502	1 m	10 mm Gold-plated Cup
9013S0552	1 m	10 mm Silver Cup

Each package contains 10 electrodes



9013S0552

Anti-tangle Cup Electrodes

Durable Cup Electrodes that do not tangle are available in a wide range of materials, cup sizes and wire lengths. Choose between Gold, Silver and Silver/Silver Chloride Electrodes. Standard Cup Electrodes are 10 mm diameter with a 2 mm hole and 1 m wire. Special versions have 10 or 6 mm cups and wire lengths of 1.5, 2, or 2.5 m. All Anti-tangle Cup Electrodes have 1.5 mm TP connectors.



Order #	Length	Description
9013E2112	1 m	10 mm Gold-plated Cup
9013E2132	1.5 m	10 mm Gold-plated Cup
9013E2142	2 m	10 mm Gold-plated Cup
9013E2152	2.5 m	10 mm Gold-plated Cup
9013E2212	1 m	10 mm Silver Cup
9013E2232	1.5 m	10 mm Silver Cup
9013E2242	2 m	10 mm Silver Cup
9013E2252	2.5 m	10 mm Silver Cup
9013E2312	1 m	10 mm Silver/Silver Chloride Cup
9013E2332	1.5 m	10 mm Silver/Silver Chloride Cup
9013E2342	2 m	10 mm Silver/Silver Chloride Cup
9013E2352	2.5 m	10 mm Silver/Silver Chloride Cup
9013E2372	1.5 m	6 mm Silver/Silver Chloride Cup

Each package contains 10 electrodes

Spider EEG Electrodes

A unique alternative to conventional cup electrodes. The Ag/AgCl Spider electrodes can be used with adhesive and conductive cream and offers a very strong adhesion due to the special design. The unique design features a smaller electrode height than conventional cup electrodes.

Order #	Length	Description
9013E2401	1.0 m	10 mm Silver Spider Electrode
9013E2411	1.5 m	10 mm Silver Spider Electrode

Each package contains 10 electrodes.





504730

Universal Head Cap – Adult

Universal head cap for adults (shown bridge electrodes not included)

Order #	Description	Qty
504730	Adult Head Cap, comprising: 2x Replacement, cross direction: 424215 2x Silicone hose, alongside direction: 424213 2x Side panel with holes: 424212 5x O-rings for silicone hose: 748042	1/ea



504731

Universal Head Cap – Child

Universal head cap for children

Order #	Description	Qty
504731	Pediatric Head Cap, comprising: 2x Replacement, cross direction: 424216 2x Silicone hose, alongside direction: 424214 2x Side panel with holes: 424212 5x O-rings for silicone hose: 748042	1/ea



505220

Ear Electrodes

items per unit = 2 pieces

Order #	Description	Qty
505220	80 cm connection cable, touch proof DIN connector	1/ea
505222	100 cm connection, touch proof DIN connector	1/ea



639003

Crocodile Clips

Order #	Description	Qty
639003	Crocodile clip, black	1/ea
639002	Crocodile clip, red	1/ea



639002



SLEEP SUPPLIES



860040



593155

Pro-Tech Respiratory Sensors & Thermal Airflow

Order #	Description	Qty
854204	Piezo electric snoring sensor, 1.5 mm Touch Proof DIN connector, 200 cm	1/ea
860040	Thermocouple Airflow Sensor, 1 channel, Adult, 1.5 mm Touch Proof DIN connector, 200 cm	1/ea
860043	Thermocouple Airflow Sensor, 1 channel, Pediatric Small, 1.5 mm Touch Proof DIN connector, 200 cm	1/ea
860042	Thermocouple Airflow Sensor, 3 channel, Adult, 1.5 mm Touch Proof DIN connector, 200 cm	1/ea
860041	Thermocouple Airflow Sensor, 2 channel, Adult, 1.5 mm Touch Proof DIN connector, 200 cm	1/ea
860045	Thermocouple Airflow Sensor, 1 channel, Pediatric, 1.5 mm Touch Proof DIN connector, 200 cm	1/ea
593155	Thermocouple Airflow Sensor, 3 channel, Adult, 1.5 mm Touch Proof DIN connector, 200 cm	1/ea



634815



634816

Disposable Cannula

Order #	Description	Qty
634815	Nasal Cannula, Adult, 10/pk	1/ea
634816	Nasal Cannula, Pediatric, 10/pk	1/ea

SLEEP SUPPLIES

Abdominal Sensor Belts

Respiratory Effort sensor, 3.8 cm, wide set for adults. Includes 3 straps in 3 sizes. Sensor has BINDER connector. Cable length 50 cm.

Order #	Description	Qty
503106	Adult belts, 3-pole BINDER connector, female	1/ea



503106

Strap Kit Only for adults, 3.8 cm. Includes 3 straps in 3 sizes.

Order #	Description	Qty
860048	Adult strap set	1/ea



860048

Strap Kit Only for pediatrics, 2.5 cm. Includes 4 straps in 4 sizes.

Order #	Description	Qty
860049	Pediatric strap set	1/ea



860049

Respiratory Effort sensor (piezo strap with 3 or 4 different straps for adults or pediatrics. Sensor has BINDER connector. Cable length 50 cm.

Order #	Description	Qty
503108	Adult, 3 strap, 5-pole BINDER connector, male	1/ea

Order #	Description	Qty
503109	Pediatric, 4 strap, 5-pole BINDER connector, male	1/ea



860046

Pro-Tech Piezo Respiratory Effort Sensor Kits

Thoracic abdominal sensor, 3.8 cm, wide set for adults. Includes 3 straps in 3 sizes. Sensor has 1.5 mm Touch Proof DIN connector. Cable length 150 cm.

Order #	Description	Qty
860046	Adult Piezo Sensor and Strap Kit	1/ea
860081	Sensor without straps	1/ea



860047

Thoracic abdominal sensor (piezo strap) with 4 different straps for pediatrics. Sensor has 1.5 mm Touch Proof DIN connector. Cable length 150 cm.

Order #	Description	Qty
860047	Pediatric Piezo Sensor	1/e
860082	Pediatric Piezo effort sensor, 1"	1/ea



634819

Pro-Tech Body Position Sensor

Cable length 150 cm, Touch Proof DIN connector.

Order #	Description	Qty
634819	Body position sensor DC with 1.5 mm connector	1/ea



387016

NONIN Pulse Oximetry Products

NONIN Xpod external Nonin® XPOD pulse oximeter sensor adapter, for use with epas29, epas40 and duo44 amplifiers

Order #	Description	Qty
387016	NONIN Xpod external pulse oximeter sensor adapter	1/ea



636032

NONIN SpO2 sensor for adults, Type: 8000J Adult with 1 m cable, for use with 387016 on epas 29, epas 40 and duo 44 amplifiers

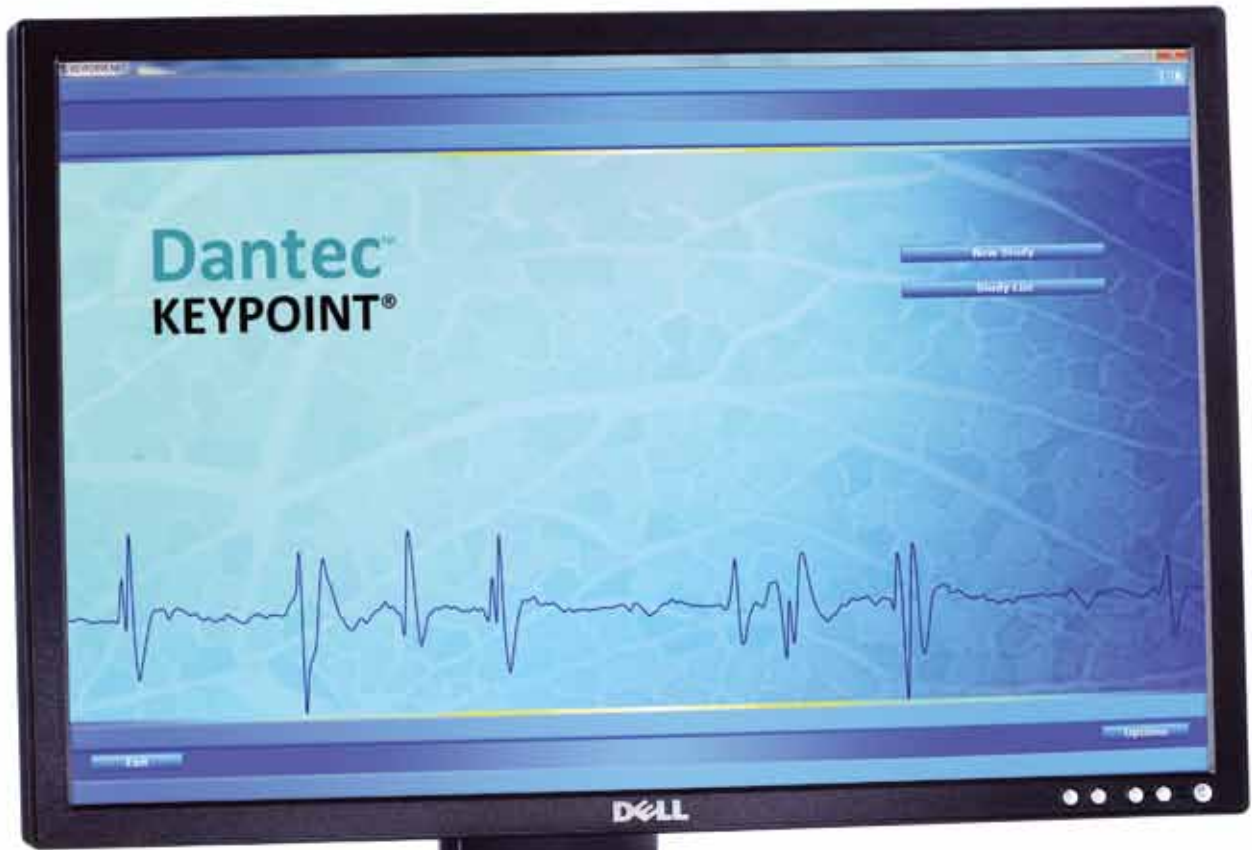
Order #	Description	Qty
636032	NONIN SpO2 sensor	1/ea



555002

NONIN Flex finger sensor with highly flexible cable, Only for use with headbox 210029 (PSG42 / Comlab)

Order #	Description	Qty
555002	NONIN Flex finger sensor	1/ea



Cables



HUSH® Shielded Electrode Cables for Dantec Disposable Concentric Needle Electrodes

HUSH® Shielded Cables for Pre-sterilized Dantec DCN™ Electrodes are available in two lengths for added convenience. Cables fit most EMG instruments.

Order #	Length	Electrode End	Instrument End
9013C0013	1 m	Coaxial Plug	5 Pole DIN
9013C0023	2 m	Coaxial Plug	5 Pole DIN

All 5 pole DIN connectors are 240° male configuration



Reusable Concentric Needle Cable for ValueLine Needle Electrodes

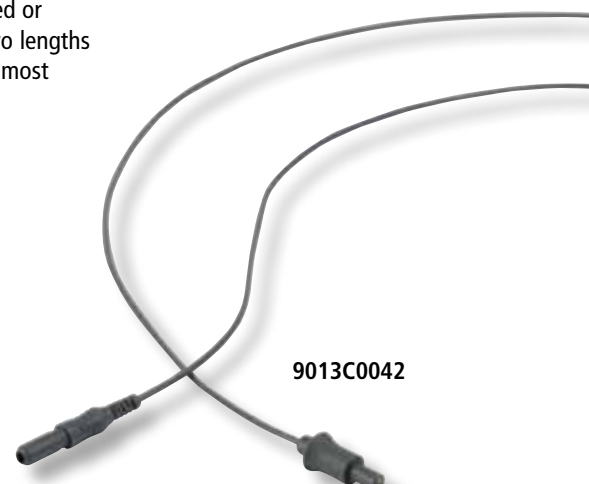
This cable is shielded terminating in 5 pin DIN connector, available in two sizes and fits most EMG systems.

Order #	Length	Qty
9013C0901	1 m	1/ea
9013C0911	2 m	1/ea



Cables for Dantec Disposable Monopolar Needle Electrodes

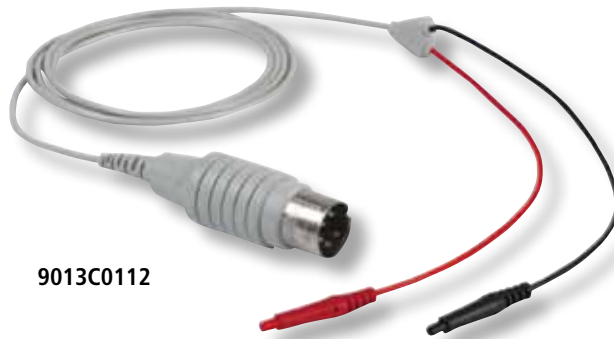
Cables for Pre-sterilized Dantec DMN™ Electrodes are available as shielded or unshielded cables and come in two lengths for added convenience. Cables fit most EMG instruments.



Order #	Length	Electrode End	Instrument End	Description
9013C0032	1 m	DMN Connector	5 pole DIN	Shielded
9013C0042	80 cm	DMN Connector	1.5 mm female TP	Unshielded

Cables

HUSH® Shielded Electrode Cables



9013C0112

HUSH® Shielded Electrode Cables are available in two lengths for added convenience. Cables fit most EMG instruments and can be used with:

- Pre-sterilized Dantec Sensory Needle Electrodes
- Pre-sterilized Dantec Scalp Needle Electrodes
- Disposable Surface Electrodes
- Reusable Recording/Stimulation Electrodes

Order #	Length	Electrode End	Instrument End
9013C0112	1 m	2 x 0.7 mm female TP	5 pole DIN
9013C0122	2 m	2 x 0.7 mm female TP	5 pole DIN

HUSH® Alligator Clip Cables

Use the HUSH® Alligator Clip Cables to record with your pre-gelled tab electrodes for active, reference and ground, because this cable will shield the test from external artifact. The cable can withstand a pull test of more than 50 lbs.



9013P0602

9013P0622

9013P0642

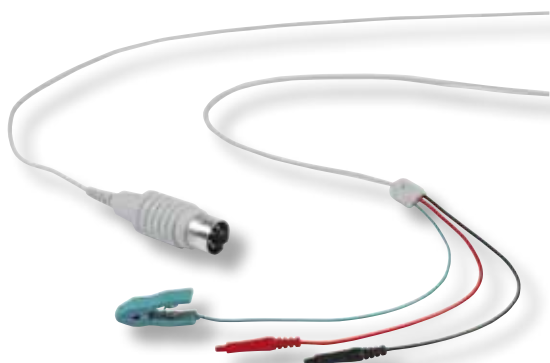
9013C0232

Order #	Length	Electrode End	Instrument End	Description
9013C0232	1 m	3 colour-coded clips (red, green, black)	5 pole DIN	Shielded
9013P0602*	80 cm	Clip connector Green	1.5 mm female TP	Unshielded
9013P0622*	80 cm	Clip connector Black	1.5 mm female TP	Unshielded
9013P0642*	80 cm	Clip connector Red	1.5 mm female TP	Unshielded

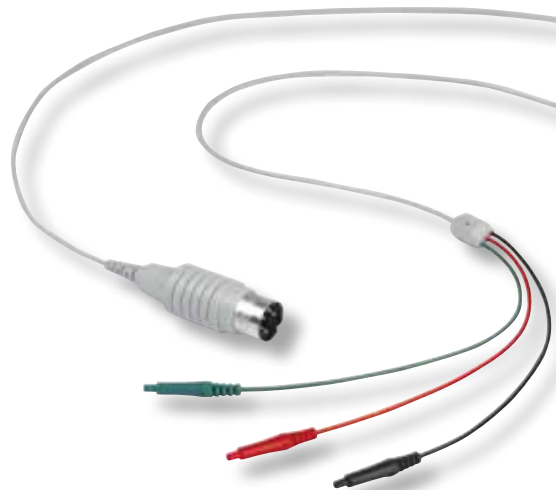
*Each package contains 2 cables

Alternative Cables

The cables listed below are offered as alternatives to those shown with the products on the preceding pages. Look through this list if you require a cable that is longer, terminated differently, or shielded differently than the standard version.



9013C0212
9013C0223



9013C0132
9013C0142



9013C0152



9013P0733

Order #	Length	Description/ Application	Electrode End	Instrument End
9013C0132	1 m Shielded	HUSH® cable for Disp. Surface and Sensory Needle Electrodes	3 x 0.7 mm female TP	5 pole DIN
9013C0142	2 m Shielded	HUSH® cable for Disp. Surface and Sensory Needle Electrodes	3 x 0.7 mm female TP	5 pole DIN
9013C0212	1 m Shielded	HUSH® cable for Disp. Surface and Sensory Needle Electrodes	2 x 0.7 mm female and 1 clip	5 pole DIN
9013C0223	2 m Shielded	HUSH® cable for Disp. Surface and Sensory Needle Electrodes	2 x 0.7 mm female and 1 clip	5 pole DIN
9013P0733	1 m Unshielded	TP Extension	1 x 1.5 mm male TP	1 x 1.5 mm female TP
9013C0152	80 cm Unshielded	Single lead electrode connector (8 pcs)	1 x 0.7 mm female TP	1 x 1.5 mm female TP
9013C0242	2 m Unshielded	Single lead electrode connector (8 pcs)	1 x 0.7 mm female TP	1 x 1.5 mm female TP
9013C0921	1.2 m Shielded	Cable for Subdermal Needles Electrodes (10 pcs)	1 x 1 mm	1 x 1.5 mm
9013C0931	1 m Unshielded	Cable for Disposable Ground Electrodes (10 pcs)	Pres Stud	1 x 1.5 mm TP

Cables

Cable for Dantec Autoclaveable Concentric and Dantec Single Fiber Needle Electrodes

Cable for Autoclaveable Concentric and Single Fiber Needle Electrodes fits most EMG instruments.

Order #	Length	Electrode End	Instrument End
9013L0014	1 m	Mini-socket	5 pole DIN



9013L0014

HUSH® Yoke Cables

Use the HUSH® Yoke Cable to convert your 2 mm connectors to TP without a repair bill. The cable allows you to plug directly into a safe 5 pole 240° female DIN connector and then plug any new TP electrode into the three input jacks or DIN. The cable is fully shielded to reduce artifact. All Yoke cables include 3 colour-coded 1.5 male TP connectors (red, green, black) plus a 5 pole DIN female connector.



9013C0302
9013C0422

9013C0312



9013C0402



9013C0432

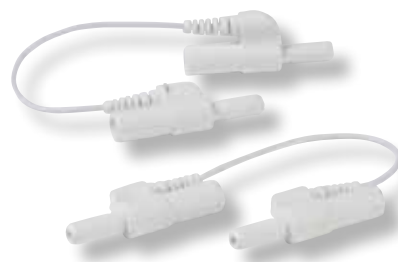
Order #	Length	Instrument End
9013C0302	1.5 m	5 pole DIN - Right Angle
9013C0312	1.5 m	5 pole DIN - Straight
9013C0402	10 cm	5 pole DIN - Straight
9013C0422	4 m	5 pole DIN - Right Angle
9013C0432	3 m	3 x 1.5 mm female TP

Interconnection Cable

Interconnection Cable for common reference TP.

Order #	Length	Instrument End
9015B0282	8 cm	1.5 mm female TP

Each package contains 3 cables



TP to DIN Adaptor

Adaptor for use with equipment that does not have a 5 pole DIN connector.

Order #	Electrode End	Instrument End
9013P0283	5 pole DIN female	2 x 1.5 mm female

Y Cable

Order #	Description	Qty
630630	Y cable, 2 channel	1/ea



630630



634809

Electrode Lead for Polygraphy

Order #	Description	Qty
634808	Length 1.5 m	1/ea
634809	Length 2.5 m	1/ea

Cables

Overview of Connectors

Instrument End



DIN connector -
Right angle



DIN connector -
Straight angle



1.5 mm female
TP connector



Yoke cable - 3 x 1.5
mm TP male connector
and 1 female DIN
connector

Electrode End



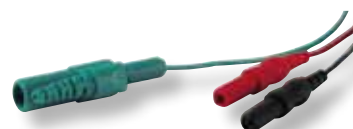
Disposable Concentric
Needle Electrode
connector



Disposable Monopolar
Needle Electrode
connector



0.7 mm female
TP connector



1.5 mm female
TP connector



Miscellaneous Supplies

MISCELLANEOUS SUPPLIES

Hellige Electrode Creme

For primary treatment of the scalp and reduction of transition resistances.

Order #	Description	Qty
677009	250 g	1/ea



EC2 Electrode Creme Grass

Electrode adhesive and conductive paste for reusable electrodes. Recommended for EEG, EMG, TENS, EP and other electro-medical examinations. Tube allows direct application.

Order #	Description	Qty
517101	100-g tube	1/ea



EEG Preparation Gel

Roughening paste for primary treatment of the skin. Necessary if high transition resistances influence the measuring results.

Order #	Description	Qty
630651	160-g tube	1/ea



Miscellaneous Supplies

Skin Prepping Gel

NuPrep Skin Prepping Gel enhances recording by lowering skin impedance.

Order #	Description	Volume
9015B4773	NuPrep Paste	114 g

Each package contains 3 pcs.



Conductive Electrode Gel

Use Electrode Gel to lower skin impedance. SignalGel is a watersoluble, non-staining, highly conductive saline electrode gel. Spectra 360 is a hypoallergenic conductive gel that contains neither saline nor chloride.

Order #	Description	Volume
9015B4114	Signal Electrode Gel with Salt	250 g
9013G5012	Spectra 360 Electrode Gel without Salt	250 g

Electrode Paste

Electrode Paste affixes the EEG/EP cup electrodes to the scalp for short-term monitoring. Conductive adhesive.

Order #	Description	Volume
9015B4713	Ten20 Paste	228 g

Each package contains 3 pcs.



Tape Measure

Retractable, vinyl Tape Measure for nerve conduction studies and other practical applications. Measures up to 60 inches on one side and 150 cm on the opposite side. The plastic tab and short lead make accurate measurements easy.

Order #	Description
9030L1052	Tape Measure

Sterilization and Cleaning

To ensure patient safety and to prevent infections, proper disinfection and sterilization of electrodes and cables is very important.

Disposable Needle Electrodes

Accessories for invasive use to stick through skin, mucous membrane, and into the bladder or urinary tract must be sterile before use. Most Disposable Needle Electrodes are supplied pre-sterilized. The products remain sterile until the pouch is opened, or the shelf life of the product has expired. Disposable Needle Electrodes cannot be re-sterilized and are for single patient use only. Do not reuse but discard used needle electrodes in a properly marked medical biohazard sharps container.

Reusable Needle Electrodes

Before each use, all Reusable Needle Electrodes must be sterilized in accordance with the Instructions For Use supplied with the product.

Other Reusable Accessories

Accessories for external use only, i.e. surface electrodes, cables etc., must be disinfected after use. Disinfection means to remove most of the microorganisms causing illness. This may be done with either liquid disinfectants or washing in hot water with a mild disinfecting detergent.

A number of products are used with gels and pastes. After use, gently clean the reusable product in a mild detergent-and-water solution, and dry it thoroughly.

Instructions For Use are supplied with all Natus Neurology products.

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