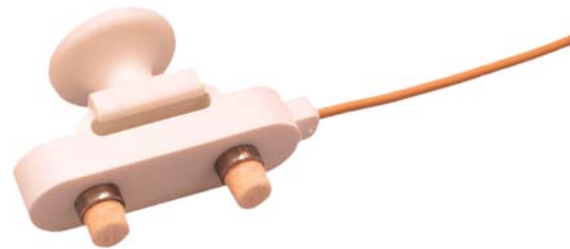
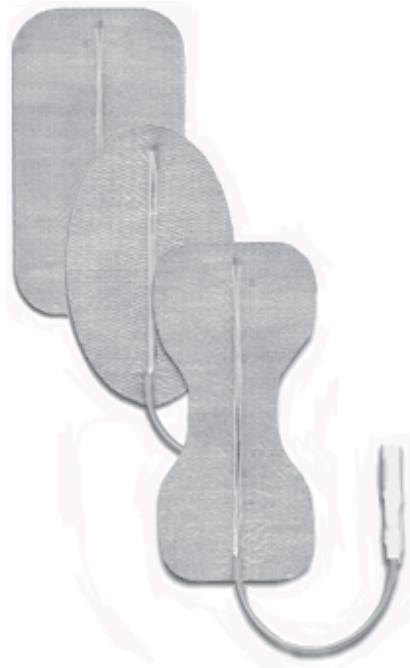
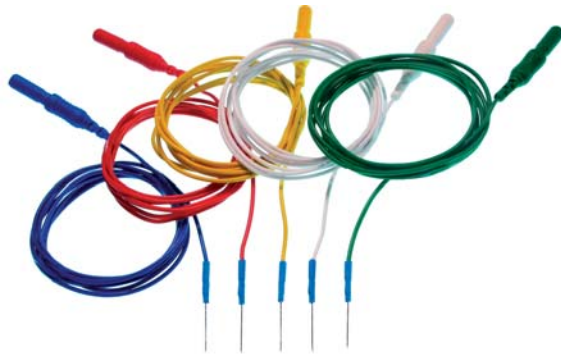


2012

Digitimer

# Neurodiagnostic Accessories



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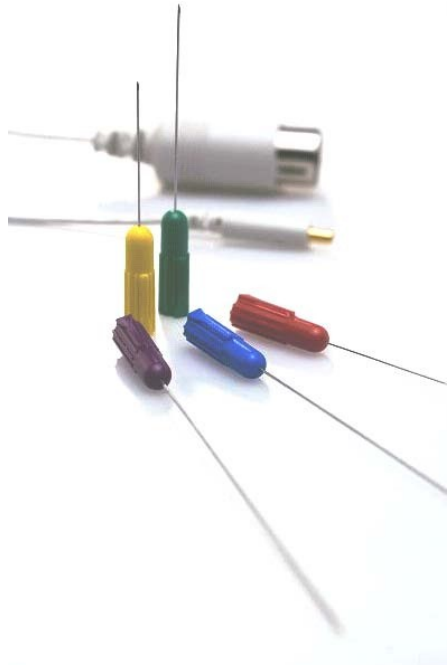
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Many of the products within this brochure can be used in various applications, which we have abbreviated as follows:-

**EMG** – Electromyography    **NCS** – Nerve Conductions Studies    **EP** – Evoked Potentials  
**IOM** – Intraoperative Monitoring    **EEG** – Electroencephalography

## Disposable Concentric Needle Electrodes (EMG)



### Features

- Matching material properties of cannula and core wire.
- Machine sharpened tip.
- Coaxial, orientation free gold-plated connector.
- Recording area indicator.
- Changed cannula structure.
- Optimized material flexibility.
- Color coded hub according to market standard.
- New improved smaller box and pouch.

### Benefits

- Optimal signal quality and excellent noise reduction.
- Painless skin penetration and less bleeding.
- Easy maneuvering.
- "Hands free" disposal of the needle from the cable.
- Friction reduction during insertion.
- Reduces patient discomfort during muscle contraction.
- Easy recognition during usage.
- Less shelf space and reduction in shipping cost.

For use with the DCNE extension cable (part code A0010).

For single use only.

Packing: 25 individually packed electrodes per box, presterilized.

Sterilization: EtO.

36 month shelf life.

### Silverline DCNE Electrodes

Needle Length	Needle Diameter	Recording Area	Hub Colour	Part Number
25mm	0.30mm (30 Gauge)	0.021mm <sup>2</sup>	Red	E.B50600-001
25mm	0.40mm (27 Gauge)	0.021mm <sup>2</sup>	Yellow	E.B50600-002
37mm	0.45mm (26 Gauge)	0.068mm <sup>2</sup>	Green	E.B50600-003
50mm	0.45mm (26 Gauge)	0.068mm <sup>2</sup>	Blue	E.B50600-004
75mm	0.60mm (23 Gauge)	0.068mm <sup>2</sup>	Violet/Purple	E.B50600-005
DCNE sample kit: 10 x DCNE plus shielded cable with 5 way DIN connector				E.B50600-010

## Goldline DCNE Electrodes

An enhanced version of the Silverline Electrodes which feature a platinum-iridium electrode wire and gold-plated cannula.

Needle Length	Needle Diameter	Recording Area	Hub Colour	Part Number
25mm	0.30mm (30 Gauge)	0.021mm <sup>2</sup>	Red	E.B50035-001
25mm	0.40mm (27 Gauge)	0.021mm <sup>2</sup>	Yellow	E.B50035-002
37mm	0.45mm (26 Gauge)	0.068mm <sup>2</sup>	Green	E.B50035-003
50mm	0.45mm (26 Gauge)	0.068mm <sup>2</sup>	Blue	E.B50035-004
75mm	0.60mm (23 Gauge)	0.068mm <sup>2</sup>	Violet/Purple	E.B50035-005

## Reusable Concentric Needle Electrodes (EMG)

Our reusable concentric needle electrodes feature a platinum-iridium electrode core wire located in a stainless steel cannula. The electrode head is designed as a sub-miniature coaxial plug, permitting quick connection that requires no orientation.

Packing: 1 piece per package

Needle Length	Needle Diameter	Recording Area	Hub Colour	Part Number
20mm	0.40mm (27 Gauge)	0.021mm <sup>2</sup>	Red	E.RN147/20
35mm	0.30mm (30 Gauge)	0.021mm <sup>2</sup>	Yellow	E.RN140/35
30mm	0.40mm (27 Gauge)	0.021mm <sup>2</sup>	White	E.RN147/30
40mm	0.50mm (25 Gauge)	0.068mm <sup>2</sup>	Green	E.RN145/40
50mm	0.45mm (26 Gauge)	0.068mm <sup>2</sup>	Brown	E.RN146/50
60mm	0.60mm (23 Gauge)	0.068mm <sup>2</sup>	Blue	E.RN143/60



## Reusable Single Fibre Needle Electrodes (EMG)

A platinum-iridium recording surface is presented through a side port opposite to the cutting edge bevel, close to the needle tip. The position of the recording electrode is indicated by a white dot on the needle hub. The core of the electrode has a diameter of 25µm.

Packing: 1 piece per package.

Requires appropriate **Reusable Cable** for electrode headbox connection.

Needle Length	Needle Diameter	Hub Colour	Part Number
25mm	0.40mm (27 Gauge)	Brown	E.RN167/25
40mm	0.45mm (26 Gauge)	Black	E.RN166/40



## Reusable Cables (EMG, NCS, EP)

Required for use with our Disposable and Reusable Concentric, Single Fibre Needle electrodes as well as our Detachable Stimulating & Recording Electrodes (see page 9). Our shielded reusable cables are 1m long and available with a 5-pole DIN connector or three safety DIN 42 802 connectors.

Packing: 1 piece per package.

Connector Type	Wire	Part Number
3x DIN 42 802 connector	Standard (1m)	E.A0010/100
5-pole DIN connector	Standard (1m)	E.A0010/100/DIN
5-pole DIN connector	Flexible (1.25m)	E.A0011/125/DIN
5-pole DIN connector	Flexible (2m)	E.A0011/200/DIN



## Sharpening Kit for Reusable Needle Electrodes (EMG)

Designed for accurate and uniform sharpening of reusable concentric and single fibre needle electrodes.

Needle holder consists of two blocks bolted together at their sides. A 15 degree angle matches that of the needle's point and a 27 degree angle is for sharpening the facets of the needle tip.

The kit contains a clear plastic needle holder, a magnifying lens and an Arkansas whetstone.

**Part Number: E.A0070**



## Disposable Monopolar Needle Electrodes (EMG)

Our disposable monopolar needle electrodes of stainless steel are PTFE coated for low friction during insertion. The needle point is conically sharpened and the needle tip serves as the recording area. The 1 metre PVC wire terminates in a safety DIN 42 802 connector. The hub is a firm-grip and is colour coded for easy identification.

We have two versions, a Detachable and a Prewired Needle Electrode.

The Detachable Monopolar comes with a gold-plated orientation free coaxial connector.

The Prewired Monopolar has a 0.75m PVC wire, terminating into a safety DIN 42 802 connector.

For single use only.

Packing: 25 individually packed electrodes per box, presterilized.

Sterilization: EtO.

Needle Length	Needle Diameter	Wire Colour	Part Number Detachable	Part Number Prewired
25mm	0.35mm (28 Gauge)	Red	E.RN068/25	E.RN058/25
25mm	0.45mm (26 Gauge)	Yellow	E.RN066/25	E.RN056/25
37mm	0.35mm (28 Gauge)	Orange	E.RN068/37	E.RN058/37
37mm	0.45mm (26 Gauge)	Green	E.RN066/37	E.RN056/37
50mm	0.45mm (26 Gauge)	Blue	E.RN066/50	E.RN056/50
75mm	0.45mm (26 Gauge)	Violet	E.RN066/75	E.RN056/75

## Reusable Cables (EMG)

Required for use with our Detachable Disposable Monopolar Needle Electrodes (above). They come with moulded connector ends and are available in two versions.

- Shielded (with 5-pole DIN connector, 1m)
- Unshielded (with safety DIN 42 802 connector, 60cm)Packing: 1 piece per package.

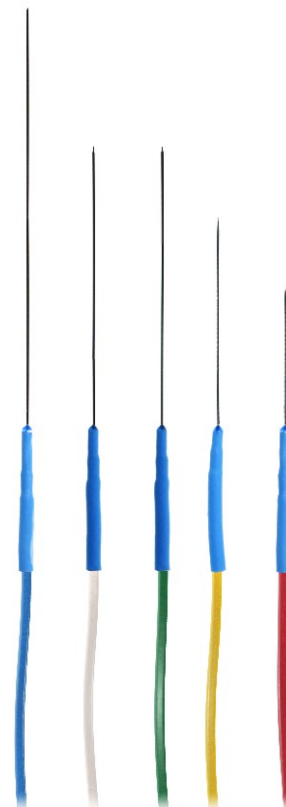
Cable Type	Part Number
Shielded (1m)	E.A0015/DIN
Unshielded (60cm)	E.A0015

## Reusable Monopolar Needle Electrodes (EMG)

A durable PTFE coated stainless steel needle with an exposed tip. The point is conically sharpened. The electrode is connected to a 1m flexible silicone wire with a safety DIN 42 802 connector.

Packing: 1 piece per package.

Needle Length	Needle Diameter	Wire Colour	Part Number
20mm	0.30mm (30 Gauge)	Red	E.RN150/20
30mm	0.35mm (28 Gauge)	Yellow	E.RN158/30
40mm	0.35mm (28 Gauge)	Green	E.RN158/40
40mm	0.40mm (27 Gauge)	White	E.RN157/40
60mm	0.40mm (27 Gauge)	Blue	E.RN157/60



## Disposable Hypodermic Needle Electrodes (EMG)

The Disposable Hypodermic Needle Electrode is a high quality product developed for simultaneous Botulinum Toxin (or other medicine) injection and EMG recordings or electrical stimulation.

The six different sizes enable you to cover all treatment areas.

Needle Length	Needle Diameter	Hub Colour	Part Number
25mm	0.30mm (30 Gauge)	Red	E.HN010/25
25mm	0.40mm (27 Gauge)	Yellow	E.HN017/25
37mm	0.40mm (27 Gauge)	Orange	E.HN017/37
37mm	0.45mm (26 Gauge)	Green	E.HN016/37
50mm	0.50mm (25 Gauge)	Blue	E.HN015/50
75mm	0.70mm (22 Gauge)	Violet	E.HN012/75

Packing: 10 electrodes per box, presterilized.

Sterilization: EtO.

The Disposable Hypodermic Needle Electrode is designed to meet your expectations:

- Easy skin penetration.
- Minimal patient discomfort.

- Very smooth “sliding” behaviour.
- Excellent signal quality.
- Comfortable “feel in the hand”.
- Leak-free, very secure slip-tip and Luer Lock syringe connection.
- Minimum dead volume medication.



Made from medical grade stainless steel with an ultra-smooth coating, sharpened with micro-precision to a facet bevel, the Disposable Hypodermic Needle Electrode guarantees multiple insertions without any degradation of its characteristics. During the design much attention has been given to the ergonomic aspect of a good, secure feel in the hand and the aspect of dead-volume of medication. With the Disposable Hypodermic Needle Electrode, the dead-volume has been minimized to just the lumen volume of the needle itself.

Furthermore, the smart hub design with colour coding and recording area indicator facilitates improved control during a procedure. The clear colour coding, selected wire length (75 cm / 30 inch) and safety DIN 42 802 connector allow easy selection of the right needle for the procedure and comfortable and reliable connection to all EMG equipment.

Box, pouch and packaging method allow quick and hassle free preparation of the procedure.

### Bar Electrodes (NCS, EP)

This product consists of two durable stainless steel disk electrodes of a 8mm diameter with 30mm spacing. The electrode holder features a feedthrough for the fixation of the Velcro strap.

The electrode is coded for polarity. One adjustable Velcro strap is included. The 1m cable terminates in two safety DIN 42 802 connectors or one 5-pole DIN connector.

Packing: 1 piece per package.



Connector Type	Part Number
2x DIN 42 802 connector	E.SB010
2x 4mm touch proof connector*	E.SB010/4mm
5-pole DIN connector	E.SB010/DIN

\* Allows direct connection to the Digitimer range of Clinical Stimulators.

### Bipolar Felt Pad Electrodes (NCS, EP)

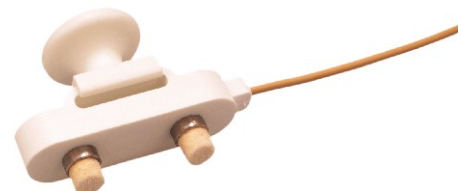
Our bipolar felt pad electrode is available with an adjustable Velcro strap.

The product consists of two versatile and convenient stimulating electrodes. The surface stimulating electrode consists of two 8mm felt pads in a stainless steel holder. The spacing between the tips is 25mm. Each electrode is coded for polarity.

Four felt pads are included in the electrode package. The 1m cable terminates in two safety DIN 42 802 connectors or one 5-pole DIN connector.

Packing: 1 piece per package.

Connector Type	Part Number
2x DIN 42 802 connector	E.SB020
2x 4mm touch proof connector*	E.SB020/4mm
5-pole DIN connector	E.SB020/DIN



\* Allows direct connection to the Digitimer range of Clinical Stimulators.

## Replacement Felt Pads (NCS, EP)

Replacement felt pads for the Bipolar Felt Pad Electrodes are supplied in packs of 10.

**Part Number: E.A0060**



## Velcro Straps (NCS, EP)

Our Velcro straps are designed to stretch while being used. Straps may be attached to each other for large limb applications. The size is 55cm x 2cm.

Packing: 3 straps per package.

**Part Number: E.A0080**



## Small Stimulating Electrodes (NCS, EP)

Ideal for paediatric studies and blink-reflex testing. Each miniature hand-held stimulating electrode features a "double banana" plug and tip spacing of 12.7mm.

The overall wire length (red and black wire) is 1 metre. Each wire terminates in a safety DIN 42 802 connector.

Packing: 1 piece per package

**Part Number: E.SP010**



## Digital Ring Electrodes (NCS, EP)

These electrodes are used for sensory nerve stimulation or recording. Conductive gel should be used on each ring.

The product consists of two adjustable "noose" electrodes, in adult or paediatric version, with separate black and red silicone wires of 1m long, terminating in safety DIN 42 802 connectors or a 5-pole DIN connector.

They are packed as a pair and are available gold-plated or in durable stainless steel.

Packing: 1 pair per package.

\* Minimum order quantity 50.

Material	Size	Connection Type	Part Number
Stainless Steel	Adult	2x DIN 42 802	E.SR020
Stainless Steel	Pediatric	2x DIN 42 802	E.SR021
Stainless Steel	Adult	5-pole DIN	E.SR020/DIN
Stainless Steel	Pediatric	5-pole DIN	E.SR021/DIN
Gold-plated	Adult	2x DIN 42 802	E.SR010
Gold-plated	Pediatric	2x DIN 42 802	E.SR011*
Gold-plated	Adult	5-pole DIN	E.SR010/DIN
Gold-plated	Pediatric	5-pole DIN	E.SR011/DIN*



## Surface Electrodes (NCS, EP)

For recording and stimulating purposes. The electrodes consist of 10mm stainless steel disks with raised tabs.

Combined black and red wire, 1m in length. Available with two safety DIN 42 802 connectors or one 5-pole DIN connector.

Packing: 1 pair per package.

Connector Type	Part Number
2x DIN 42 802 connector	E.SD010
5-pole DIN connector	E.SD010/DIN



## Alligator Clips (NCS, EP)

Easy to use in combination with tab electrodes. The red and black silicone wires of 1m length terminate in two safety DIN 42 802 connectors or one 5-pole DIN connector.

Packing: 1 piece per package

Connector Type	Part Number
2x DIN 42 802 Connector	E.A0090
5-pole DIN Connector	E.A0090/DIN



## Detachable Stimulating & Recording Electrodes (NCS, EP)

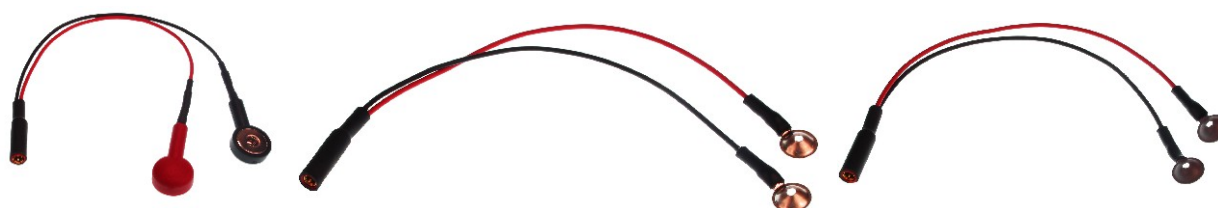
A recent addition to our product range: seven detachable versions of our basic paired electrodes. The electrodes are interchangeable, easy to use and make swift transitions possible.

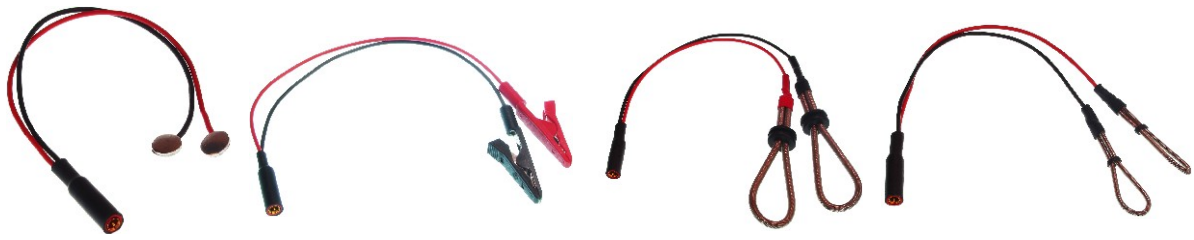
Each electrode pair is attached to a 15cm long black and red (active) wire ending in a subminiature coaxial plug, which fits onto our reusable cables.

Packing: 1 piece per package.

Requires appropriate Reusable Cable (part number A0010, page 5) for electrode headbox connection.

Electrode	Part Number
2x Snap	E.DS000
2x Cup, Silver (Ag)	E.DS010
2x Cup, Silver-Silver Chlorided (Ag-AgCl)	E.DS020
2x Tin (Sn) disk	E.DS030
2x Alligator Clip	E.DS040
2x Stainless Steel Digital Ring electrode, Adult	E.DS050
2x Stainless Steel Digital Ring electrode, Pediatric	E.DS051





## Grounding Electrodes (NCS, EP)

Grounding "wrap-around" style electrode, 20mm wide. The wire terminates into a safety DIN 42 802 connector.  
Packing: 1 piece per package.

Colour	Length	Size	Part Number
Green	1.25m	Adult	E.RG010/125
Green	1.25m	Pediatric	E.RG011/125
Green	2m	Adult	E.RG010/200
Green	2m	Pediatric	E.RG011/200
Red	1.25m	Adult	E.RG020/125
Red	1.25m	Pediatric	E.RG021/125



**Grounding Plate Electrode**, with a long lasting 30mm x 30mm polished stainless steel plate. The 1.25m wire terminates into a safety DIN 42 802 connector.

Packing: 1 piece per package.

**Part Number: E.RG030**



**Grounding Alligator Clip**, with a 1m green silicone wire, terminating into a safety DIN 42 802 connector.

Packing: 1 piece per package.

**Part Number: E.RG040**



## Disposable Subdermal Needle Electrodes (EP, IOM, EEG)

Standard single stainless steel needle electrode, 13mm in length and 0.4mm (27G) in diameter. Suitable for use with the Lectromed Cerebral Function Monitor (CFM).

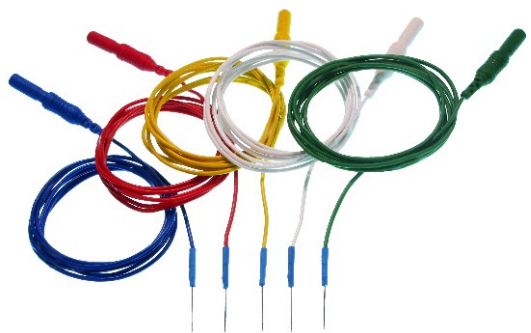
The multi colour (5 or 6) PVC wires terminate into a safety DIN 42 802 connector and are available in a 0.5m, 1m, 1.5m, 2m or 2.5m length.

Packing: Individually packed electrodes, 24 or 25 per box, presterilized.

Sterilization: EtO.

For single use only.

Wire Length	5 x 5 colours Part Number (25pcs)	4 x 6 colours Part Number (24pcs)
0.5m (for CFM use)	E.RN017/050	-
1m	E.RN017/100	E.S50716-001
1.5m	E.RN017/150	E.S50716-002
2m	E.RN017/200	E.S50716-003
2.5m	E.RN017/250	E.S50716-004



## Disposable Subdermal Hooked Needle Electrodes (EP, IOM, EEG)

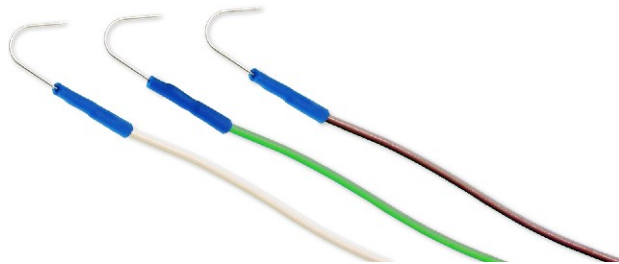
These electrodes are especially designed to better stay in place during usage. The item consists of a stainless steel bent needle with a 1.5m or 2m multi colour (5) PVC wire, terminating in a safety DIN 42 802 connector.

Packing: 25 individually packed pieces per box, presterilized.

Sterilization: EtO.

For single use only.

Wire Length	Part Number
1.5m	E.RN020/150
2m	E.RN020/200



## Twisted Disposable Subdermal Needle Electrodes (EP, IOM, EEG)

A twisted pair version with a 1.5m or 2m PVC wire in 10 colour combinations, terminating in safety DIN 42 802 connectors.

Packing: 20 individually packed pairs per box, presterilized.

Sterilization: EtO.

For single use only.

Wire Length	Part Number
1.5m	E.RN030/150
2m	E.RN030/200



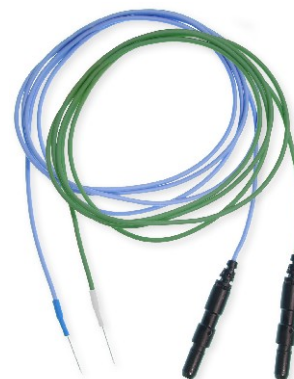
## Reusable Subdermal Needle Electrodes (EP, IOM, EEG)

This product is available in two needle materials: stainless steel or platinum-iridium. Each needle is 13mm in length, 0.4mm (27G) in diameter.

The selected multi coloured (6) silicone wires, 1m or 1.5m, terminate into a safety DIN 42 802 connector.

Packing: 12 pieces per package.

Material	Wire Length	Part Number
Stainless Steel	1m	E.DN010/100
Stainless Steel	1.5m	E.DN010/150
Platinum Iridium	1m	E.DN020/100
Platinum Iridium	1.5m	E.DN020/150





## Disposable Subdermal Corkscrew Electrodes (IOM, EEG, EP)

During surgical procedures where brain activity needs to be monitored, such as carotid artery or spinal surgery, it is very important that EEG/EP electrodes stay in place. Our corkscrew electrodes were developed for exactly this purpose. Made from stainless steel, the electrodes are easy and reliable to position, safe and offer a high signal quality.

PVC wire (120cm long), 4x6 colours and terminates in a safety DIN 42 802 connector.

Packing: 24 pieces individually sterile packed. **Part Number: E.CS010/120**

## Disposable Cup Electrodes (EP, IOM, EEG)

Our disposable cup electrodes are one of our latest additions to our product programme. The diameter of the cups is 10mm and they are made of silver-chlorided plastic. The PVC wires are multi coloured (5) and available in the following lengths: 1m, 1.5m or 2m, with DIN 42 802 connectors.

For single use only.

Packing: 25 pieces per package.

Length	Part Number
1m	E.DC010/100
1.5m	E.DC010/150
2m	E.DC010/200



## Reusable Cup Electrodes (EP, IOM, EEG)

Our reusable cup electrodes have been designed to withstand long-term use by medical technicians. The precision stamped cups are available in two diameters: the paediatric, 6mm or the adult, 10mm size. They are made out of 99.9% pure silver. The silver cups are silver-chlorided, covered with a heavy gold-plate, or kept silver. The flexible silicone wires are standard in multi colour (6) and available in the following lengths: 1m, 1.5m or 2m, with DIN 42 802 connectors.

Packing: 12 pieces per package.

Material	Size	Length	Part Number
Silver (Ag)	Adult	1m	E.DC030/100
Silver (Ag)	Adult	1.5m	E.DC030/150
Silver (Ag)	Adult	2m	E.DC030/200
Silver (Ag)	Pediatric	1m	E.DC031/100
Silver (Ag)	Pediatric	1.5m	E.DC031/150
Silver (Ag)	Pediatric	2m	E.DC031/200
Silver-Silver Chloride (Ag-AgCl)	Adult	1m	E.DC020/100
Silver-Silver Chloride (Ag-AgCl)	Adult	1.5m	E.DC020/150
Silver-Silver Chloride (Ag-AgCl)	Adult	2m	E.DC020/200
Silver-Silver Chloride (Ag-AgCl)	Pediatric	1m	E.DC021/100
Silver-Silver Chloride (Ag-AgCl)	Pediatric	1.5m	E.DC021/150
Silver-Silver Chloride (Ag-AgCl)	Pediatric	2m	E.DC021/200

Material	Size	Length	Part Number
Gold-plated (Au)	Adult	1m	E.DC070/100
Gold-plated (Au)	Adult	1.5m	E.DC070/150
Gold-plated (Au)	Adult	2m	E.DC070/200
Gold-plated (Au)	Pediatric	1m	E.DC071/100
Gold-plated (Au)	Pediatric	1.5m	E.DC071/150
Gold-plated (Au)	Pediatric	2m	E.DC071/200
With moulded safety DIN 42 802 connector and cup ends:-			
Silver (Ag)	Adult	1.5m	E.DC030/150M
Gold (Au)	Adult	1.5m	E.DC070/150M

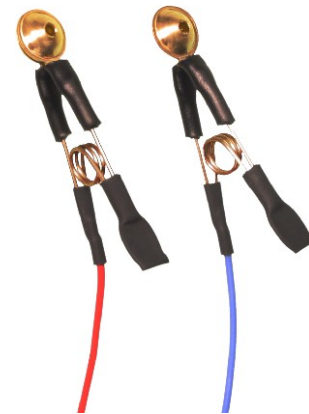


## Ear Clip Electrodes (IOM, EEG)

This product consists of two EEG cup electrodes mounted as an ear clip. Available in three different surface options: silver, silver-chloride or gold-plated. The cups themselves come in two diameters, either 10mm (adult) or 6mm (paediatric). All electrodes are attached to a 1m or 1.5m colour coded silicone wire, terminating in a safety DIN 42 802 connector.

Packing: 1 pair per package.

Material	Size	1m Long Part Number	1.5m Long Part Number
Silver (Ag)	Adult	E.DC040/100	E.DC040/150
Silver (Ag)	Pediatric	E.DC041/100	E.DC041/150
Silver-Silver Chloride (Ag-AgCl)	Adult	E.DC050/100	E.DC050/150
Silver-Silver Chloride (Ag-AgCl)	Pediatric	E.DC051/100	E.DC051/150
Gold-plated (Au)	Adult	E.DC060/100	E.DC060/150
Gold-plated (Au)	Pediatric	E.DC061/100	E.DC061/150



## Nasopharyngeal Electrodes (IOM, EEG)

Thin, semi-rigid coated wire (adult: 15cm; paediatric: 10cm). The 3mm diameter gold-plated, silver-chlorided or plain silver recording tip is combined with a 1.5m silicone wire with a safety DIN 42 802 connector.

Packing: 1 piece per package.

Material	Size	Part Number
Silver (Ag)	Adult	E.DW010
Silver (Ag)	Paediatric	E.DW011
Silver-Silver Chloride (Ag-AgCl)	Adult	E.DW020
Silver-Silver Chloride (Ag-AgCl)	Paediatric	E.DW021
Gold-plated (Au)	Adult	E.DW030
Gold-plated (Au)	Paediatric	E.DW031



## Plaquette Disposable Adhesive Surface Electrodes (DASE)

Plaquette™, a high quality range of pre-wired Disposable Adhesive Surface Electrodes, specifically designed and approved for cutaneous recording and stimulation purposes. This brand new product line is available in 10 different models, to cover all treatment areas.

- Pre-gelled and engineered for single patient use.
- Light weight colour coded flexible PVC wires with safety 1.5mm DIN 42 802 connectors.
- Silver / silverchloride conductive layer for optimal signal recording.
- Soft and flexible electrode pad material for minimum patient discomfort.
- Smart little gel free tab for easy, multiple electrode repositioning without touching the gel.
- Special formula gel for a very sticky electrode, yet easy to remove leaving no residu on the patient.
- Two year electrode shelf life.



All these features guarantee, that Plaquette™ Disposable Adhesive Surface Electrodes provide perfect signal quality and optimal patient and user comfort.

### Disposable 20mm Disk Electrodes (4 pack):

20mm diameter disk x 4; 1m leads: red, blue, green, black; 10 sets of 4 / box

**Part Number: E.K50430-001**

20mm diameter disk x 4; 2m leads: red, blue, green, black; 10 sets of 4/ box

**Part Number: E.K50430-002**

### Disposable Ground Electrodes:

40 x 50mm surface; 1m lead; 20 pieces per box

**Part Number: E.K50431-002**

40 x 50mm surface; 2m lead; 20 pieces per box

**Part Number: E.K50431-003**

As long as the pouches are unopened, the electrode shelf life is two years.

## PALS® Platinum Self Adhesive Stimulation Electrodes

Designed for all FES and TENS applications, Axelgaard PALS Platinum neuro-stimulation electrodes combine a patented stainless steel knit cloth, a patented hydrogel, and an exclusive impedance compensation system. Fitted with 2mm sockets\*

Code	Dimensions	Quantity per Case
A.J10R00	2.5 cm, round	10 packs of 4
A.879100	3.2 cm, round	10 packs of 4
A.879200	5.0 cm, round	10 packs of 4
A.879300	7.0 cm, round	10 packs of 4
A.891200	3 x 5cm, rectangle	10 packs of 4
A.895220	5 x 5 cm, square	10 packs of 4
A.895240	5 x 9 cm, rectangle	10 packs of 4
A.895250	5 x 13 cm, rectangle	10 packs of 2
A.895340	8 x 10 cm, rectangle	10 packs of 2
A.896230	4 x 6 cm, oval	10 packs of 4
A.896240	5 x 10 cm, oval	10 packs of 4
A.896350	8 x 13 cm, oval	10 packs of 2



- Patented conductive cloth provides the ultimate in flexibility and conformity.
- The impedance compensation system ensures optimal current distribution.
- Patented dual layer MultiStick hydrogel provides comfort and optimizes multiple applications to the skin.

## PALS® Platinum Blue Self Adhesive Stimulation Electrodes

Code	Dimensions	Quantity per Case
A.J10R00	2.5 cm, round	10 packs of 4
A.879100	3.2 cm, round	10 packs of 4



Designed for all FES and TENS applications, Axelgaard PALS Platinum Blue neurostimulation electrodes combine a patented stainless steel knit cloth and hydrogel construction with our exclusive impedance compensation system. Fitted with 2mm sockets\*

- The gel of choice for extremely sensitive skin.
- Adheres through body hair.
- Patented stainless steel fabric for optimum conductivity and conformity.
- Designed for TENS and muscle stimulation applications.

## Valutrode® Fabric Top Self Adhesive Stimulation Electrodes

Code	Dimensions	Quantity per Case
A.CF3200	3.2 cm, round	10 packs of 4
A.CF5000	5.0 cm, round	10 packs of 4
A.CF7000	7.0 cm, round	10 packs of 4
A.CF5050	5 x 5 cm, square	10 packs of 4
A.CF4090	4 x 9 cm, rectangle	10 packs of 4
A.CF5090	5 x 9 cm, rectangle	10 packs of 4
A.CF7515	8x13 cm, rectangle	10 packs of 2
A.CF4065	4 x 6 cm, oval	10 packs of 4
A.CF5010	5 x 10 cm, oval	10 packs of 4



Axelgaard ValuTrobe electrodes with white cloth top and conductive film provide an all purpose economy electrode. Fitted with 2mm sockets\*

- Available in a variety of shapes and sizes.
- Each lead wire interface is customized for each electrode to optimize current distribution for every shape and size.
- MultiStick hydrogel is optimized for durability and multiple applications to the skin.
- Superior quality.
- Tan cloth available by special order.

### \* Important Note

The Axelgaard electrodes terminate in short leads fitted with 2mm sockets, so we recommend our **D185-HB4 Electrode Extension Cable** (available in 2m, 4.5m, 6m, 8m or 12m lengths) combined with shorter adaptor cables (supplied as a pair, 30cm long) to connect between these electrodes and our stimulators. For further details, please contact us.

## Collodion, Preps and Pastes (IOM, EEG)

Collodion (medical adhesive) and Collodion Remover (non acetone) Mavidon.





Weaver's Nuprep abrasive is useful whenever a reduction of skin impedance would enhance a test result.

Ten 20 Conductive Adhesive Paste by Weaver. White, opaque, water-soluble medical adhesive paste designed to be used with EEG cup electrodes.



Product	Size	Packing	Part Number
<b>Collodion Adhesive</b>			
High Viscosity	15 ml tube	36 pieces	E.A0031
High Viscosity	60 ml tube	18 pieces	E.A0032
<b>Collodion Remover</b>			
Non acetone	0.5 l bottle	6 pieces	E.A0100
Non acetone	3.5 l container	1 piece	E.A0101
<b>Nuprep Skin Abrasive</b>			
10-30	113 gram, 4 oz. tube	3 pieces	E.A0040
<b>Ten 20 Conductive Adhesive Paste</b>			
10-20-4T	113 gram, 4 oz. tube	3 pieces	E.A0050
10-20-4	113 gram, 4 oz. jar	3 pieces	E.A0051
10-20-8	226 gram, 8 oz. jar	3 pieces	E.A0052

## Touch Proof Plugs, Adaptors & Electrode Linkers (EMG, NCS, EP, IOM, EEG)

	Part Description	Part Number
	Pair (one red, one black) of 4mm Touch proof plugs for user assembly. Provide direct connection to Digitimer DS5, DS7A and D185 stimulator output sockets.	D185-OC1
	1.5mm (DIN 42 802) Touch proof plugs (per 10 pieces). Compatible with Digitimer D360 and NeuroLog System NL844 input sockets as well as output sockets on D185 electrode connection headboxes (e.g D185-HB4 below).	NL844P/10-Bu (BLUE) NL844P/10-Bk (BLACK) NL844P/10-Rd (RED)
	Electrode Extension Cable. For use with Digitimer DS5, DS7A and D185 stimulators when electrode leads are fitted with 1.5mm touch proof DIN 42 802 plugs. Moulded touch proof 4mm output connector at the stimulator end and a moulded pair of DIN 42 802 sockets at the patient end. The standard length is 4.5m, but it is also available in three other lengths to suit various applications.	D185-HB4-2m D185-HB4 D185-HB4-6m D185-HB4-12m
	Double 'Female' adaptor ( <b>see: 1</b> ), <b>IN:</b> 2mm pin, <b>OUT:</b> DIN 42 802.	E.A0110-Rd (RED) per 25 E.A0110-Bk (BLACK) per 25 E.A0110-Gn (GREEN) per 25 E.A0110-SET (RED/BLACK) 5 pairs
	Female/Male adaptor ( <b>see: 2</b> ). <b>IN:</b> DIN 42-802, <b>OUT:</b> 2mm pin (per 25 pieces).	E.A0120
	Electrode linkers/jumpers ( <b>see: 3</b> ). Use to connect two electrodes on a touch proof (DIN 42 802) head box. 6" Wire. (per piece).	E.A0020-Rd (RED) E.A0020-Bk (BLACK)

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