



# **EMG EEG EP IOM**

**ELECTROMYOGRAPHY**

**ELECTROENCEPHALOGRAPHY**

**EVOKED POTENTIALS**

**INTRAOPERATIVE MONITORING**

**NEUROLOGY ACCESSORIES**

## **CATALOGUE**

**SEI EMG s.r.l.**

**Via S.Chiara, 10**

**35013 CITTADELLA ITALIA**

**Tel: ++39-049-9401093**

**Fax: ++39-049-9401956**

**E-mail: [info@seiemg.it](mailto:info@seiemg.it)**

**Website: [www.seiemg.it](http://www.seiemg.it)**



*Cittadella: "Porta Borgo Treviso" gate and the medieval walls (XIII cent.)*

## ABOUT US

Founded in 1982 and based in Cittadella, Italy, the company STRUMENTAZIONE ELETTRONICA INDUSTRIALE s.n.c. (short form: SEI s.n.c.) started designing and developing neurological devices and neurology accessories by producing concentric and monopolar needle electrodes for EMG.

As early as 1989, we were the first Italian builder to launch onto the market disposable concentric and monopolar needle electrodes for electromyography and electroencephalography.

In 1998 SEI s.n.c. obtained the ISO 9002 and EN 46002 certifications and the CE certification mark on its products.

Up to then a general partnership, in October 2006 SEI s.n.c. became a Società a Responsabilità Limitata (limited liability company) and was renamed **SEI EMG s.r.l.**

At present, the company complies with the ISO 9001 and ISO 13485 certification standards.

We manufacture all of our products starting from raw materials. Each and every one of the processing steps takes place in our workshops, which are based in CITTADELLA and GALLIERA VENETA (Italy). Packaging is done at the production site, in our in-house clean room.

# GENERAL INFORMATION

## HOW TO CONTACT US

**SEI EMG s.r.l.**  
**Via S.Chiera, 10**  
**35013 CITTADELLA (PD) ITALIA**

**Tel :** ++39-049-9401093      **E-mail:** info@seiemg.it  
**Fax:** ++39-049-9401956      **Website:** www.seiemg.it

## QUALITY SYSTEM

The company complies with the UNI EN ISO 9001 and ISO 13485 Quality Systems. This quality system is certified by IMQ s.p.a..

CSQ is a company management certification system run by IMQ. CSQ-MED is the sector-based scheme which operates in the sector of medical quality management systems UNI CEI EN.

## STERILIZATION

The sterilization process follows the current regulations.

Sterility is guaranteed only if the package is intact and undamaged and the product is properly stored.

## LABELLING

The product's code and the number of production lot, which ensure traceability, can be found on the label. The international symbols used on the labels are:



Disposable. Do not reuse.



Sterile. Sterilized by ethylene-oxide.



Sterile. Sterilized by radiation.



Lot number (in this case, 5160122).



Attention, see instructions for use.



Date of manufacture (in this case, January 2016)



Expiration date (in this case, January 2019)



All products marked with the CE logo conform to the requirements of the directive 93/42/CEE and are marketed in compliance with the directive.



If the product is marked with the CE logo followed by a number, it is not a Class I medical device. This means that the product complies with the essential requirements of the directive 93/42/CEE and it is certified by the Notified Body whose number is written next to the logo (in this case, 0051 stands for IMQ SpA).

## PICTURES AND PHOTOGRAPHS

The pictures and photographs featured in this catalogue are not binding. The company reserves the right to make aesthetic and technical changes without any prior notice.

## LIABILITY

The manufacturing processes and the physical, chemical, and biological checks conducted on materials enable the company SEI EMG to supply top-quality products, whose perfect functionality is guaranteed.

Use of the products featured in this catalogue is intended for skilled medical staff, who can use them without risks for the patients.

The company SEI EMG does not take responsibility for any immediate or indirect damage caused by misuse of the product. In particular, the company declines any liability in case of non-sterility of re-sterilized products or products in a damaged package.

Aiming at satisfying its customers, the company also reserves the right to make changes to the products without any prior notice.

## CUSTOM-MADE MANUFACTURE

In compliance with the directive 93/42/CEE on medical devices, our company can create special models suitable for research and experimentation. It will be our pleasure to collaborate with you: we will be following your directions in order to meet your needs.

Not only will your project be developed as soon as possible, but also the product will be

manufactured very quickly. This is made possible by our unique techniques and entirely in-house manufacturing.

All of the items featured in this catalogue can be customized: we will spare no effort.

## **TINSEL CABLES**

TINSEL cables are manufactured using a special technique that combines high mechanical resistance with extreme pliability.

The inner conductor is made of silver-plated copper and, as a consequence, it is highly conductive.

The TINSEL cable's characteristics make it suitable for use as a connection cable in the field of clinical Neurophysiology.

## **CUSTOM-MADE CABLE LENGTH**

You can order TINSEL cables whose length differs from the standard. Just add (on the right of the product's code) a hyphen and a two-figure number representing the desired length expressed in decimetres.

For instance, in order to receive a 3.5-metre long **CNA2DIN** cable you will have to specify the code: **CNA2DIN-35**.

## **MONOPOLAR CONNECTION CABLES ARE AVAILABLE IN THE FOLLOWING COLOURS:**

|                                                                                                  |                                                                                                 |                                                                                                        |
|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
|  YELLOW ("G") |  WHITE ("B") |  RED ("R")        |
|  BLACK ("N")  |  GREEN ("V") |  LIGHT BLUE ("C") |
|  BLUE ("U")   |  GREY ("I")  |  PURPLE ("L")     |
|  ORANGE ("A") |                                                                                                 |                                                                                                        |

## **ITALIAN PRODUCTS**

All our medical devices are entirely manufactured, packaged, and sterilized in Italy.



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# EMG NEEDLE ELECTRODES

THIS SECTION IS ABOUT NEEDLE ELECTRODES  
USED FOR EMG MONITORING.

Inox disposable concentric needle electrodes with axial connection  
*PLATINUM* disposable concentric needle electrodes with axial connection  
Disposable single fiber needle electrodes  
Disposable concentric needle electrodes with lateral connection  
Disposable concentric needle electrodes with integrated cable  
Disposable monopolar needle electrodes with direct connection  
Disposable monopolar needle electrodes with short wire  
Hook-shaped disposable monopolar needle electrodes with integrated cable  
Straight disposable monopolar needle electrodes with integrated cable  
Disposable monopolar needle electrodes with twisted cable  
Disposable monopolar cork needle electrodes  
Botox disposable hypodermic needle electrodes  
Disposable wire needle electrodes  
Disposable monopolar insulated needle



# DISPOSABLE CONCENTRIC NEEDLE ELECTRODES WITH AXIAL CONNECTION **DISPOSABLE**

The internal recording core is made of stainless steel.

**Packaging: box containing 25 pieces**

**packed in individual pouches and sterilized by beta radiation.**

| CODE            | CANNULA LENGTH | CANNULA DIAMETER | INTERNAL CORE             | COLOUR                                                                               |
|-----------------|----------------|------------------|---------------------------|--------------------------------------------------------------------------------------|
| <i>GA25F77</i>  | 25 mm          | 0.30 mm (G 30)   | 0.05 mm <sup>2</sup> inox |    |
| <i>GA25C77</i>  | 25 mm          | 0.35 mm (G 28)   | 0.05 mm <sup>2</sup> inox |    |
| <i>GA25A77</i>  | 25 mm          | 0.45 mm (G 26)   | 0.07 mm <sup>2</sup> inox |    |
| <i>GA35A77</i>  | 35 mm          | 0.45 mm (G 26)   | 0.07 mm <sup>2</sup> inox |   |
| <i>GA50A77</i>  | 50 mm          | 0.45 mm (G 26)   | 0.07 mm <sup>2</sup> inox |  |
| <i>GA50B77</i>  | 50 mm          | 0.50 mm (G 25)   | 0.07 mm <sup>2</sup> inox |  |
| <i>GA60B77</i>  | 60 mm          | 0.50 mm (G 25)   | 0.07 mm <sup>2</sup> inox |  |
| <i>GA75B77</i>  | 75 mm          | 0.50 mm (G 25)   | 0.07 mm <sup>2</sup> inox |  |
| <i>GA100B77</i> | 100 mm         | 0.50 mm (G 25)   | 0.07 mm <sup>2</sup> inox |  |

## CONNECTION CABLE FOR CONCENTRIC NEEDLE ELECTRODES (*GA SERIES*)

| CODE                                                                                              | CABLE LENGTH |
|---------------------------------------------------------------------------------------------------|--------------|
| <i>CNA2DIN-10</i>                                                                                 | 1.0 m        |
| <i>CNA2DIN-15</i>                                                                                 | 1.5 m        |
| The connection cable for <i>GA series</i> needle electrodes is shielded, extraflexible, and grey. |              |
| CONNECTION<br>Electromyograph end: 5 pole DIN 240°                                                |              |



# **PLATINUM DISPOSABLE CONCENTRIC NEEDLE ELECTRODES WITH AXIAL CONNECTION**

## **DISPOSABLE**

The internal recording core is made of platinum.

Packaging: box containing 25 pieces

packed in individual pouches and sterilized by beta radiation.

| CODE            | CANNULA LENGTH | CANNULA DIAMETER | INTERNAL CORE                 | COLOUR                                                                               |
|-----------------|----------------|------------------|-------------------------------|--------------------------------------------------------------------------------------|
| <i>GA25F31</i>  | 25 mm          | 0.30 mm (G 30)   | 0.05 mm <sup>2</sup> platinum |    |
| <i>GA25C31</i>  | 25 mm          | 0.35 mm (G 28)   | 0.05 mm <sup>2</sup> platinum |    |
| <i>GA25A31</i>  | 25 mm          | 0.45 mm (G 26)   | 0.07 mm <sup>2</sup> platinum |    |
| <i>GA35A31</i>  | 35 mm          | 0.45 mm (G 26)   | 0.07 mm <sup>2</sup> platinum |    |
| <i>GA50A31</i>  | 50 mm          | 0.45 mm (G 26)   | 0.07 mm <sup>2</sup> platinum |  |
| <i>GA50B31</i>  | 50 mm          | 0.50 mm (G 25)   | 0.07 mm <sup>2</sup> platinum |  |
| <i>GA60B31</i>  | 60 mm          | 0.50 mm (G 25)   | 0.07 mm <sup>2</sup> platinum |  |
| <i>GA75B31</i>  | 75 mm          | 0.50 mm (G 25)   | 0.07 mm <sup>2</sup> platinum |  |
| <i>GA100B31</i> | 100 mm         | 0.50 mm (G 25)   | 0.07 mm <sup>2</sup> platinum |  |

### CONNECTION CABLE FOR CONCENTRIC NEEDLE ELECTRODES (*GA SERIES*)

| CODE              | CABLE LENGTH |
|-------------------|--------------|
| <b>CNA2DIN-10</b> | 1.0 m        |
| <b>CNA2DIN-15</b> | 1.5 m        |

The connection cable for *GA series* needle electrodes is shielded, extraflexible, and grey.

**CONNECTION**  
**Electromyograph end:**5 pole DIN 240°



# DISPOSABLE SINGLE FIBER NEEDLE ELECTRODES

## DISPOSABLE

### DISPOSABLE SINGLE FIBER NEEDLE ELECTRODES

Needle electrode with recording core placed on a side port near the needle tip, opposite the cutting edge bevel.

**Packaging:** box containing 10 pieces  
packed in individual pouches and sterilized by beta radiation.

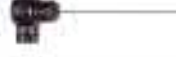
| CODE            | CANNULA LENGTH | CANNULA DIAMETER | INTERNAL CORE           |                                                                                       |
|-----------------|----------------|------------------|-------------------------|---------------------------------------------------------------------------------------|
| <i>GA25A-1L</i> | 25 mm          | 0.45 mm (G 26)   | 0.00125 mm <sup>2</sup> |    |
| <i>GA35A-1L</i> | 35 mm          | 0.45 mm (G 26)   | 0.00125 mm <sup>2</sup> |    |
| <i>GA50A-1L</i> | 50 mm          | 0.45 mm (G 26)   | 0.00125 mm <sup>2</sup> |  |



### CONNECTION CABLE FOR CONCENTRIC NEEDLE ELECTRODES (*GA SERIES*)

| CODE                                                                                              | CABLE LENGTH |  |
|---------------------------------------------------------------------------------------------------|--------------|--------------------------------------------------------------------------------------|
| <i>CNA2DIN-10</i>                                                                                 | 1.0 m        |                                                                                      |
| <i>CNA2DIN-15</i>                                                                                 | 1.5 m        |                                                                                      |
| The connection cable for <i>GA series</i> needle electrodes is shielded, extraflexible, and grey. |              |                                                                                      |
| CONNECTION<br>Electromyograph end: 5 pole DIN 240°                                                |              |                                                                                      |

# DISPOSABLE CONCENTRIC NEEDLE ELECTRODES WITH LATERAL CONNECTION **DISPOSABLE**

| <p style="text-align: center;"><b>GU SERIES concentric needle electrodes</b></p> <p>The internal recording core is made of stainless steel.</p> <p><b>Packaging: box containing 25 pieces</b></p> <p style="text-align: center;"><b>packed in individual pouches and sterilized by beta radiation.</b></p> |                |                  |                             |                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------|-----------------------------|--------------------------------------------------------------------------------------|
| CODE                                                                                                                                                                                                                                                                                                       | CANNULA LENGTH | CANNULA DIAMETER | INTERNAL CORE               |                                                                                      |
| <b>GU25F77</b>                                                                                                                                                                                                                                                                                             | 25 mm          | 0,30 mm (G 30)   | 0.05 mm <sup>2</sup> ; inox |    |
| <b>GU25C77</b>                                                                                                                                                                                                                                                                                             | 25 mm          | 0.35 mm (G 28)   | 0.05 mm <sup>2</sup> ; inox |    |
| <b>GU25A77</b>                                                                                                                                                                                                                                                                                             | 25 mm          | 0,45 mm (G 26)   | 0.07 mm <sup>2</sup> ; inox |    |
| <b>GU35A77</b>                                                                                                                                                                                                                                                                                             | 35 mm          | 0,45 mm (G 26)   | 0.07 mm <sup>2</sup> ; inox |  |
| <b>GU50A77</b>                                                                                                                                                                                                                                                                                             | 50 mm          | 0,45 mm (G 26)   | 0.07 mm <sup>2</sup> ; inox |  |
| <b>GU50B77</b>                                                                                                                                                                                                                                                                                             | 50 mm          | 0.50 mm (G 25)   | 0.07 mm <sup>2</sup> ; inox |  |
| <b>GU70B77</b>                                                                                                                                                                                                                                                                                             | 70 mm          | 0.50 mm (G 25)   | 0.07 mm <sup>2</sup> ; inox |  |

## CONNECTION CABLE FOR CONCENTRIC NEEDLE ELECTRODES (*GU SERIES*)

| CODE                                                                                                                                                                               | CABLE LENGTH |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------------------------------------------------------------------------|
| <b>CNU2DIN-10</b>                                                                                                                                                                  | 1.0 m        |                                                                                      |
| <b>CNU2DIN-15</b>                                                                                                                                                                  | 1.5 m        |                                                                                      |
| <p>The connection cable for <i>GU series</i> needle electrodes is shielded, extraflexible, and grey.</p> <p><b>CONNECTION</b><br/> <b>Electromyograph end: 5 pole DIN 240°</b></p> |              |                                                                                      |

# DISPOSABLE CONCENTRIC NEEDLE ELECTRODES WITH INTEGRATED CABLE **DISPOSABLE**

## Concentric needle electrodes WITH INTEGRATED CABLE AND 5 POLE DIN CONNECTOR

The internal recording core is made of stainless steel.

Packaging: box containing 10 pieces

packed in individual pouches and sterilized by beta radiation.

| CODE              | CANNULA<br>LENGTH | CANNULA<br>DIAMETER | INTERNAL<br>CORE            | CABLE<br>LENGTH |
|-------------------|-------------------|---------------------|-----------------------------|-----------------|
| <b>GU40A77-15</b> | 40 mm             | 0.45 mm (G 26)      | 0.07 mm <sup>2</sup> ; inox | 1.5 m           |
| <b>GU40A77-30</b> | 40 mm             | 0.45 mm (G 26)      | 0.07 mm <sup>2</sup> ; inox | 3.0 m           |



The cable is shielded, extraflexible, and grey.

### CONNECTION

**Electromyograph end:** 5 pole DIN 240°

# DISPOSABLE MONOPOLAR NEEDLE ELECTRODES WITH PIN CONNECTION **DISPOSABLE**

Monopolar needle electrodes without connection cable and Ø 0.5 mm male connector pin.  
**Packaging: box containing 50 pieces**  
**packed in individual pouches and sterilized by beta radiation.**

| CODE                     | SHAFT LENGTH | SHAFT DIAMETER |                                                                                       |
|--------------------------|--------------|----------------|---------------------------------------------------------------------------------------|
| <b>THIN SHAFT</b>        |              |                |                                                                                       |
| <b>MU10S25</b>           | 10 mm        | 0.25 mm        |    |
| <b>MU12S25</b>           | 12 mm        | 0.25 mm        |    |
| <b>MU15S25</b>           | 15 mm        | 0.25 mm        |    |
| <b>MU25S25</b>           | 25 mm        | 0.25 mm        |    |
| <b>MEDIUM SHAFT</b>      |              |                |                                                                                       |
| <b>MU15S35</b>           | 15 mm        | 0.35 mm        |  |
| <b>HOOK-SHAPED SHAFT</b> |              |                |                                                                                       |
| <b>MU15U35</b>           | 15 mm        | 0.35 mm        |  |

## CONNECTION CABLE FOR *DISPOSABLE MONOPOLAR NEEDLE ELECTRODES WITH PIN CONNECTION*

| CODE                                                                                              | CABLE LENGTH |                                                                                      |
|---------------------------------------------------------------------------------------------------|--------------|--------------------------------------------------------------------------------------|
| CNU1JPI-10                                                                                        | 1.0 m        |  |
| CNU1JPI-15                                                                                        | 1.5 m        |                                                                                      |
| Connection cable: extra-flexible TINSEL                                                           |              |                                                                                      |
| CONNECTION<br>needle electrode end: 0.5 mm female<br>instrument end: touchproof DIN42802 Ø 1.5 mm |              |                                                                                      |
|                                                                                                   |              | colour: yellow.<br>Customized colours: see above.                                    |

# MONOPOLAR NEEDLE ELECTRODES WITH 8-CM LEAD WIRE **DISPOSABLE**

Monopolar needle electrodes with 8-cm lead wire and Ø 1.0 mm male touchproof connector.  
Packaging: box containing 50 pieces  
packed in individual pouches and sterilized by beta radiation.

| CODE                     | SHAFT LENGTH | SHAFT DIAMETER |                                                                                      |
|--------------------------|--------------|----------------|--------------------------------------------------------------------------------------|
| <b>THIN SHAFT</b>        |              |                |                                                                                      |
| <b>MUI0F25</b>           | 10 mm        | 0.25 mm        |    |
| <b>MUI2F25</b>           | 12 mm        | 0.25 mm        |    |
| <b>MUI5F25</b>           | 15 mm        | 0.25 mm        |    |
| <b>MEDIUM SHAFT</b>      |              |                |                                                                                      |
| <b>MUI2F35</b>           | 12 mm        | 0.35 mm        |    |
| <b>MUI5F35</b>           | 15 mm        | 0.35 mm        |  |
| <b>HOOK-SHAPED SHAFT</b> |              |                |                                                                                      |
| <b>MUI5G35</b>           | 15 mm        | 0.35 mm        |  |

## CONNECTION CABLE FOR *DISPOSABLE MONOPOLAR NEEDLE ELECTRODES WITH 8-CM LEAD WIRE*

| CODE                                                                                                                                                           | CABLE LENGTH |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------------------------------------------------------------------------|
| <b>CNU1KPI-10</b>                                                                                                                                              | 1.0 m        |  |
| <b>CNU1KPI-15</b>                                                                                                                                              | 1.5 m        |                                                                                      |
| Connection cable: extra-flexible TINSEL<br><br>CONNECTION<br><b>needle electrode end:</b> 1.0 mm female<br><b>instrument end:</b> touchproof DIN42802 Ø 1.5 mm |              |                                                                                      |
|                                                                                                                                                                |              | colour: yellow.<br>Customized colours: see above.                                    |

# MONOPOLAR NEEDLE ELECTRODES WITH INTEGRATED CABLE DISPOSABLE

Hook-shaped monopolar needle electrodes with integrated connection cable.

**Packaging: box containing 25 pieces (5 per colour: see table below)  
packed in individual pouches and sterilized by beta radiation.**

| CODE              | SHAFT<br>LENGTH | SHAFT<br>DIAMETER | CABLE<br>LENGTH | CABLE<br>COLOUR                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|-------------------|-----------------|-------------------|-----------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| HOOK-SHAPED SHAFT |                 |                   |                 |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| MUI5XC1-10        | 15 mm           | 0.35 mm           | 1.0 m           |  |  |  |  |  |
| MUI5XC1-15        | 15 mm           | 0.35 mm           | 1.5 m           |  |  |  |  |  |
|                   |                 |                   |                 | G                                                                                   | B                                                                                   | N                                                                                   | R                                                                                   | V                                                                                   |



Connection cable: extra-flexible cable  
**instrument end:** touchproof DIN42802 Ø 1.5 mm

# MONOPOLAR NEEDLE ELECTRODES WITH INTEGRATED CABLE **DISPOSABLE**

Monopolar needle electrodes with straight shaft and integrated connection cable.

**Packaging: box containing 25 pieces (5 per colour: see table below)  
packed in individual pouches and sterilized by beta radiation.**

| CODE           | SHAFT<br>LENGTH | SHAFT<br>DIAMETER | CABLE<br>LENGTH | CABLE COLOUR                                                                          |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
|----------------|-----------------|-------------------|-----------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| STRAIGHT SHAFT |                 |                   |                 |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
| MU12WC1-10     | 12 mm           | 0.35 mm           | 1.0 m           |    |    |    |    |    |
| MU12WC1-15     | 12 mm           | 0.35 mm           | 1.5 m           |    |    |    |    |    |
| MU15WC1-10     | 15 mm           | 0.35 mm           | 1.0 m           |    |    |    |    |    |
| MU15WC1-15     | 15 mm           | 0.35 mm           | 1.5 m           |    |    |    |    |    |
| MU18WC1-10     | 18 mm           | 0.35 mm           | 1.0 m           |   |   |   |   |   |
| MU18WC1-15     | 18 mm           | 0.35 mm           | 1.5 m           |  |  |  |  |  |
|                |                 |                   |                 | G                                                                                     | B                                                                                     | N                                                                                     | R                                                                                     | V                                                                                     |



Connection cable: extra-flexible cable  
**instrument end:** touchproof DIN42802 Ø 1.5 mm

# MONOPOLAR NEEDLE ELECTRODES WITH TWISTED CABLE DISPOSABLE

Monopolar needle electrodes with integrated cable. The cable is made up of two twisted wires which come in different colours.

**Packaging: box containing 10 pieces**

packed in pouches containing one piece each and sterilized by beta radiation.

The wires of the electrodes come in 5 different colour pairs (Red/Black, Red/White, Red/Yellow, Black/Yellow, and Black/White respectively).

In each box you will find 2 needle electrodes per colour pair.

|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|  |  |  |  |  |
|  |  |  |  |  |
| R/N                                                                               | R/B                                                                               | R/G                                                                               | N/G                                                                               | N/B                                                                               |

| CODE       | SHAFT LENGTH | CABLE LENGTH |
|------------|--------------|--------------|
| MU12HC1-10 | 12 mm        | 1.0 m        |
| MU12HC1-15 | 12 mm        | 1.5 m        |
| MU12HC1-20 | 12 mm        | 2.0 m        |
| MU15HC1-10 | 15 mm        | 1.0 m        |
| MU15HC1-15 | 15 mm        | 1.5 m        |
| MU15HC1-20 | 15 mm        | 2.0 m        |
| MU15HC1-25 | 15 mm        | 2.5 m        |
| MU18HC1-20 | 18 mm        | 2.0 m        |



Connection cable: twisted cable

**instrument end:** touchproof DIN42802 Ø 1.5 mm

# MONOPOLAR CORK NEEDLE ELECTRODES WITH INTEGRATED CABLE **DISPOSABLE**

Disposable monopolar cork (corkscrew) needle electrodes with integrated cable.

**Packaging: box containing 25 pieces (5 per colour: see table below)  
packed in individual pouches and sterilized by beta radiation.**

| CODE              | CORK DIAMETER AND<br>SHAFT DIAMETER | CABLE LENGTH | CABLE COLOUR                                                                         |                                                                                      |                                                                                      |                                                                                      |                                                                                      |
|-------------------|-------------------------------------|--------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| <b>MU06RD1-10</b> | 6 mm x 0.70 mm                      | 1.0 m        |   |   |   |   |   |
| <b>MU06RD1-15</b> | 6 mm x 0.70 mm                      | 1.5 m        |   |   |   |   |   |
| <b>MU06RD1-20</b> | 6 mm x 0.70 mm                      | 2.0 m        |   |   |   |   |   |
| <b>MU06RD1-25</b> | 6 mm x 0.70 mm                      | 2.5 m        |  |  |  |  |  |
|                   |                                     |              | G                                                                                    | B                                                                                    | N                                                                                    | R                                                                                    | V                                                                                    |



Connection cable: extra-flexible cable  
**instrument end:** touchproof DIN42802 Ø 1.5 mm

# BOTOX DISPOSABLE HYPODERMIC NEEDLE ELECTRODES WITH 8-CM LEAD WIRE **DISPOSABLE**

Insulated Botox disposable hypodermic needle electrodes with Luer-lock hub. Suitable for EMG recording and injection.

**Packaging:** box containing 10 pieces

packed in individual pouches and sterilized by beta radiation.

| CODE           | LENGTH | DIAMETER       | COLOUR                                                                               |
|----------------|--------|----------------|--------------------------------------------------------------------------------------|
| <b>ATF025E</b> | 25 mm  | 0.40 mm (G 27) |    |
| <b>ATF025A</b> | 25 mm  | 0.45 mm (G 26) |    |
| <b>ATF035A</b> | 35 mm  | 0.45 mm (G 26) |    |
| <b>ATF050A</b> | 50 mm  | 0.45 mm (G 26) |   |
| <b>ATF050B</b> | 50 mm  | 0.50 mm (G 25) |  |
| <b>ATF060B</b> | 60 mm  | 0.50 mm (G 25) |  |
| <b>ATF100B</b> | 100 mm | 0.50 mm (G 25) |  |

## CONNECTION CABLE FOR BOTOX DISPOSABLE HYPODERMIC NEEDLE ELECTRODES

| ELECTRODES                                                                                                                                                 |              |                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------------------------------------------------------------------------|
| CODE                                                                                                                                                       | CABLE LENGTH |  |
| <b>CNU1KPI-10</b>                                                                                                                                          | 1.0 m        |  |
| <b>CNU1KPI-15</b>                                                                                                                                          | 1.5 m        |                                                                                      |
| connection cable: extra-flexible TINSEL<br>CONNECTION<br><b>needle electrode end:</b> 1.0 mm female<br><b>instrument end:</b> touchproof DIN42802 Ø 1.5 mm |              |                                                                                      |
|                                                                                                                                                            |              | colour: yellow.<br>Customized colours: see above.                                    |

# BOTOX DISPOSABLE HYPODERMIC NEEDLE ELECTRODES WITH INTEGRATED CABLE **DISPOSABLE**

Insulated Botox disposable hypodermic needle electrodes with Luer-lock hub. Suitable for EMG recording and injection. Integrated connection cable.

**Packaging: box containing 10 pieces**  
**packed in individual pouches and sterilized by beta radiation.**

| CODE              | CANNULA<br>LENGTH | CANNULA<br>DIAMETER | CABLE<br>LENGTH | COLOUR                                                                               |
|-------------------|-------------------|---------------------|-----------------|--------------------------------------------------------------------------------------|
| <i>ATF025E-10</i> | 25 mm             | 0.40 mm (G 27)      | 1 m             |    |
| <i>ATF025A-10</i> | 25 mm             | 0.45 mm (G 26)      | 1 m             |    |
| <i>ATF035A-10</i> | 35 mm             | 0.45 mm (G 26)      | 1 m             |    |
| <i>ATF050A-10</i> | 50 mm             | 0.45 mm (G 26)      | 1 m             |   |
| <i>ATF050B-10</i> | 50 mm             | 0.50 mm (G 25)      | 1 m             |  |
| <i>ATF060B-10</i> | 60 mm             | 0.50 mm (G 25)      | 1 m             |  |
| <i>ATF100B-10</i> | 100 mm            | 0.50 mm (G 25)      | 1 m             |  |



Connection cable: extra-flexible cable  
**instrument end:** touchproof DIN42802 Ø 1.5 mm

# DISPOSABLE WIRE NEEDLE ELECTRODES FOR DYNAMIC EMG RECORDING

## DISPOSABLE

These wire needle electrodes are made up of two insulated wires within a cannula. The recording area is located on the tip. Suitable for dynamic EMG recording.

**Packaging:** box containing 10 pieces  
packed in individual pouches and sterilized by beta radiation.

| CODE           | CANNULA LENGTH | ELECTRODE TYPE |  |
|----------------|----------------|----------------|------------------------------------------------------------------------------------|
| <b>FU30M20</b> | 30 mm          | bipolar        |                                                                                    |
| <b>FU40M20</b> | 40 mm          | bipolar        |                                                                                    |
| <b>FU50M20</b> | 50 mm          | bipolar        |                                                                                    |

## CONNECTION CABLE FOR *DISPOSABLE WIRE NEEDLE ELECTRODES*

| CODE                                                                                        | CABLE LENGTH |  |
|---------------------------------------------------------------------------------------------|--------------|--------------------------------------------------------------------------------------|
| <b>CNU3FDN-15</b>                                                                           | 1.5 m        |                                                                                      |
| <b>CNU3FDN-20</b>                                                                           | 2.0 m        |                                                                                      |
| Connection cable: extra-flexible, shielded.                                                 |              |                                                                                      |
| CONNECTION<br>needle electrode end: micro alligator clip<br>instrument end: 5 pole DIN 240° |              |                                                                                      |

# DISPOSABLE MONOPOLAR INSULATED NEEDLE ELECTRODE FOR SOMATOSENSORY EVOKED POTENTIALS **DISPOSABLE**

The shaft of these disposable monopolar needle electrodes features an insulated proximal end. Suitable for recording of somatosensory evoked potentials.

**Packaging: box containing 10 pieces**

**packed in individual pouches and sterilized by beta radiation.**

| CODE            | SHAFT LENGTH | SHAFT DIAMETER | USE       |                                                                                       | RECORDING AREA     |
|-----------------|--------------|----------------|-----------|---------------------------------------------------------------------------------------|--------------------|
| <b>MU15T40R</b> | 15 mm        | 0.40 mm        | reference |    | mm <sup>2</sup> 8  |
| <b>MU15T50R</b> | 15 mm        | 0.50 mm        | reference |    | mm <sup>2</sup> 10 |
| <b>MU15T70R</b> | 15 mm        | 0.70 mm        | reference |    | mm <sup>2</sup> 14 |
| <b>MU25T40E</b> | 25 mm        | 0.40 mm        | active    |    | mm <sup>2</sup> 2  |
| <b>MU35T50E</b> | 35 mm        | 0.50 mm        | active    |   | mm <sup>2</sup> 3  |
| <b>MU50T50E</b> | 50 mm        | 0.50 mm        | active    |  | mm <sup>2</sup> 3  |
| <b>MU50T70E</b> | 50 mm        | 0.70 mm        | active    |  | mm <sup>2</sup> 4  |



## CONNECTION CABLE FOR MONOPOLAR INSULATED NEEDLE ELECTRODES

| CODE                                        | CABLE LENGTH |  |
|---------------------------------------------|--------------|--------------------------------------------------------------------------------------|
| <b>CNU3KDN-15</b>                           | 1.5 m        |                                                                                      |
| <b>CNU3KDN-20</b>                           | 2.0 m        |                                                                                      |
| Connection cable: extra-flexible, shielded. |              |                                                                                      |
| CONNECTION                                  |              |                                                                                      |
| needle electrode end: 1.0 mm female         |              |                                                                                      |
| instrument end: 5 pole DIN 240°             |              |                                                                                      |



# EMG STIMULATION- RECORDING ELECTRODES

THIS SECTION IS ABOUT ITEMS USED FOR EMG MONITORING.

Hand-held stimulating electrodes  
Stimulation pad electrodes  
Bar electrodes  
Ring electrodes  
Ground electrodes  
Velcro fixation straps

# HAND-HELD STIMULATING ELECTRODE WITH ANGLED PIN

## REUSABLE

Bipolar hand-held stimulating electrode with angled pin. The cable terminates in two touchproof plugs.

Packaging: box containing 1 piece.

| CODE               | USE   | CENTER-TO-CENTER<br>DISTANCE | CABLE<br>LENGTH | INSTRUMENT END               |
|--------------------|-------|------------------------------|-----------------|------------------------------|
| <b>STMP25D1-15</b> | adult | 25 mm                        | 1.5             | touchproof DIN42802 Ø 1.5 mm |



# HAND-HELD STIMULATING ELECTRODE WITH ANGLED PIN

## REUSABLE

Bipolar hand-held stimulating electrode with angled pin. The cable terminates in one pentapolar DIN connector.

Packaging: box containing 1 piece.

| CODE               | USE   | CENTER-TO-CENTER<br>DISTANCE | CABLE<br>LENGTH | INSTRUMENT END  |
|--------------------|-------|------------------------------|-----------------|-----------------|
| <i>STMP25DN-15</i> | adult | 25 mm                        | 1.5 m           | 5 pole DIN 240° |



# HAND-HELD STIMULATING ELECTRODE WITH STRAIGHT PIN REUSABLE

Bipolar hand-held stimulating electrode with straight pin.  
Please specify the desired instrument end (see table below).

**Packaging: box containing 1 piece.**

| CODE               | USE   | CENTER-TO-CENTER<br>DISTANCE | CABLE<br>LENGTH | INSTRUMENT END               |
|--------------------|-------|------------------------------|-----------------|------------------------------|
| <b>STML18D1-15</b> | adult | 18 mm                        | 1.5 m           | touchproof DIN42802 Ø 1.5 mm |



|                    |       |       |       |                 |
|--------------------|-------|-------|-------|-----------------|
| <b>STML18DN-15</b> | adult | 18 mm | 1.5 m | 5 pole DIN 240° |
|--------------------|-------|-------|-------|-----------------|



# BIPOLAR STIMULATION PAD ELECTRODE WITH SPHERICAL PADS **REUSABLE**

Bipolar stimulation pad electrode with spherical pads.

Packaging: box containing 1 piece.

| CODE                      | USE   | CENTER-TO-CENTER<br>DISTANCE | CABLE<br>LENGTH | INSTRUMENT END               |
|---------------------------|-------|------------------------------|-----------------|------------------------------|
| <b><i>STIM10D1-15</i></b> | child | 10 mm                        | 1.5 m           | touchproof DIN42802 Ø 1.5 mm |
| <b><i>STIM15D1-15</i></b> | child | 15 mm                        | 1.5 m           | touchproof DIN42802 Ø 1.5 mm |
| <b><i>STIM25D1-15</i></b> | adult | 25 mm                        | 1.5 m           | touchproof DIN42802 Ø 1.5 mm |



|                           |       |       |       |                 |
|---------------------------|-------|-------|-------|-----------------|
| <b><i>STIM25DN-15</i></b> | adult | 25 mm | 1.5 m | 5 pole DIN 240° |
|---------------------------|-------|-------|-------|-----------------|



# BIPOLAR STIMULATION PAD ELECTRODE WITH FELT TIPS **REUSABLE**

Bipolar stimulation pad electrode with felt tips.

Packaging: box containing 1 piece.

| CODE               | USE   | CENTER-TO-CENTER<br>DISTANCE | CABLE<br>LENGTH | INSTRUMENT END               |
|--------------------|-------|------------------------------|-----------------|------------------------------|
| <b>STIF25D1-15</b> | adult | 25 mm                        | 1.5 m           | touchproof DIN42802 Ø 1.5 mm |
| <b>STIF15D1-15</b> | child | 15 mm                        | 1.5 m           | touchproof DIN42802 Ø 1.5 mm |



## REPLACEMENT FELT TIPS

Packaging: box containing 10 pieces.

| CODE          | SIZE          |
|---------------|---------------|
| <b>FELT02</b> | Diameter=7 mm |



# BIPOLAR STIMULATION PAD ELECTRODE WITH CONCAVE PADS **REUSABLE**

**Bipolar stimulation pad electrode with concave pads.**

**The electrode can be fastened to the patient with a Velcro fixation strap.**

**Packaging: box containing 1 piece.**

| CODE               | USE   | CENTER-TO-CENTER | CABLE LENGTH | INSTRUMENT END               |
|--------------------|-------|------------------|--------------|------------------------------|
| <b>STIP25D1-15</b> | adult | 25 mm            | 1.5 m        | touchproof DIN42802 Ø 1.5 mm |
| <b>STIP15D1-15</b> | child | 15 mm            | 1.5 m        | touchproof DIN42802 Ø 1.5 mm |



| CODE               | USE   | CENTER-TO-CENTER | CABLE LENGTH | INSTRUMENT END  |
|--------------------|-------|------------------|--------------|-----------------|
| <b>STIP25DN-15</b> | adult | 25 mm            | 1.5 m        | 5 pole DIN 240° |
| <b>STIP15DN-15</b> | child | 15 mm            | 1.5 m        | 5 pole DIN 240° |



# RECORDING BAR ELECTRODE WITH RECTANGULAR FELT TIPS **REUSABLE**

The two felt tips are inserted into a silver housing.  
The electrode can be fastened to the patient with a Velcro fixation strap.

**Packaging: box containing 1 piece.**

| CODE               | USE   | CENTER-TO-CENTER | CABLE LENGTH | INSTRUMENT END               |
|--------------------|-------|------------------|--------------|------------------------------|
| <b>RICE55D1-12</b> | adult | 20 mm            | 1.2 m        | touchproof DIN42802 Ø 1.5 mm |
| <b>RICE55DN-12</b> | adult | 20 mm            | 1.2 m        | 5 pole DIN 240°              |



## REPLACEMENT FELT TIPS

**Packaging: box containing 10 pieces.**

| CODE          | SIZE      |
|---------------|-----------|
| <b>FELT03</b> | 7 x 20 mm |



# RECORDING BAR ELECTRODE

## SILVER-SILVER CHLORIDE

### REUSABLE

The electrode is made up of a plastic body and two silver bars.  
The electrode can be fastened to the patient with a Velcro fixation strap.

**Packaging:** box containing 1 piece.

| CODE                      | USE   | CENTER-TO-CENTER | CABLE LENGTH | INSTRUMENT END  |
|---------------------------|-------|------------------|--------------|-----------------|
| <b><i>RICE25DN-15</i></b> | adult | 25 mm            | 1.5 m        | 5 pole DIN 240° |
| <b><i>RICE40DN-15</i></b> | adult | 40 mm            | 1.5 m        | 5 pole DIN 240° |



# RECORDING BAR ELECTRODE

## SILVER-SILVER CHLORIDE

### REUSABLE

The electrode is made up of a plastic body and two silver bars.  
The electrode can be fastened to the patient with a Velcro fixation strap.

**Packaging:** box containing 1 piece.

| CODE               | USE   | CENTER-TO-CENTER | CABLE LENGTH | INSTRUMENT END               |
|--------------------|-------|------------------|--------------|------------------------------|
| <b>RICE25D1-15</b> | adult | 25 mm            | 1.5 m        | touchproof DIN42802 Ø 1.5 mm |
| <b>RICE40D1-15</b> | adult | 40 mm            | 1.5 m        | touchproof DIN42802 Ø 1.5 mm |



# RECORDING INOX RING ELECTRODE WITH SHIELDED CABLE REUSABLE

The pair of electrodes is made up of an adjustable stainless steel ring.  
With shielded cable and pentapolar DIN connector.

**Packaging:** box containing 1 piece.

| CODE               | USE       | RING   | RING<br>SIZE | CABLE<br>LENGTH | INSTRUMENT END  |
|--------------------|-----------|--------|--------------|-----------------|-----------------|
| <i>ES20SCDN-12</i> | recording | thin   | standard     | 1.2 m           | 5 pole DIN 240° |
| <i>ES30SCDN-12</i> | recording | normal | standard     | 1.2 m           | 5 pole DIN 240° |
| <i>ES40SCDN-12</i> | recording | normal | large        | 1.2 m           | 5 pole DIN 240° |



# STIMULATION INOX RING ELECTRODE WITH SHIELDED CABLE REUSABLE

The pair of electrodes is made up of an adjustable stainless steel ring. Suitable for stimulation.

With shielded cable and touchproof plugs.

Packaging: box containing 1 piece.

| CODE               | USE         | RING   | RING SIZE | CABLE LENGTH | INSTRUMENT END               |
|--------------------|-------------|--------|-----------|--------------|------------------------------|
| <b>ES20SCD1-12</b> | stimulation | thin   | standard  | 1.2 m        | touchproof DIN42802 Ø 1.5 mm |
| <b>ES30SCD1-12</b> | stimulation | normal | standard  | 1.2 m        | touchproof DIN42802 Ø 1.5 mm |
| <b>ES40SCD1-12</b> | stimulation | normal | large     | 1.2 m        | touchproof DIN42802 Ø 1.5 mm |



# STIMULATION INOX RING ELECTRODE

## REUSABLE

The pair of electrodes is made up of an adjustable stainless steel ring. Suitable for stimulation.  
With independent cables.

**Packaging: box containing a pair of electrodes.**

| CODE             | USE         | RING   | RING SIZE | CABLE LENGTH | INSTRUMENT END               |
|------------------|-------------|--------|-----------|--------------|------------------------------|
| <b>ES20P1-10</b> | stimulation | thin   | standard  | 1.0 m        | touchproof DIN42802 Ø 1.5 mm |
| <b>ES30P1-10</b> | stimulation | normal | standard  | 1.0 m        | touchproof DIN42802 Ø 1.5 mm |
| <b>ES40P1-10</b> | stimulation | normal | large     | 1.0 m        | touchproof DIN42802 Ø 1.5 mm |



# RECORDING RING ELECTRODE

## CONDUCTIVE STRETCH FABRIC

### REUSABLE

This pair of ring electrodes is made of adjustable conductive stretch fabric and carbon fiber. With shielded cable and pentapolar DIN connector.

**Packaging:** box containing 1 piece.

| CODE               | USE       | RING   | RING SIZE | CABLE LENGTH | INSTRUMENT END  |
|--------------------|-----------|--------|-----------|--------------|-----------------|
| <b>EE30SCDN-12</b> | recording | normal | standard  | 1.2 m        | 5 pole DIN 240° |



# METAL GROUND ELECTRODE

## REUSABLE

This ground electrode is made up of a round stainless steel disc with plastic covering and an integrated connection cable.

Packaging: box containing 1 piece.

| CODE               | SHAPE | DIAMETER | CABLE LENGTH | INSTRUMENT END               |
|--------------------|-------|----------|--------------|------------------------------|
| <b>MAFI3RD1-15</b> | round | 32 mm    | 1.5 m        | touchproof DIN42802 Ø 1.5 mm |



This ground electrode is made up of a square stainless steel plate and an integrated connection cable.

Packaging: box containing 1 piece.

| CODE               | SHAPE  | SIZE       | CABLE LENGTH | INSTRUMENT END               |
|--------------------|--------|------------|--------------|------------------------------|
| <b>MAFI33D1-15</b> | square | 30 x 30 mm | 1.5 m        | touchproof DIN42802 Ø 1.5 mm |



# VELCRO GROUND ELECTRODE

## REUSABLE

This ground electrode is made up of a stretch Velcro strap and a flexible stainless steel foil.  
**Connection: Ø 4 mm male snap.**  
**Packaging: box containing 1 piece.**

| CODE            | SIZE       | VELCRO WIDTH | VELCRO LENGTH |
|-----------------|------------|--------------|---------------|
| <b>MASS25C</b>  | short      | 25 mm        | 330 mm        |
| <b>MASS25M</b>  | medium     | 25 mm        | 400 mm        |
| <b>MASS25L</b>  | long       | 25 mm        | 550 mm        |
| <b>MASS25XL</b> | extra long | 25 mm        | 800 mm        |



### CONNECTION CABLE FOR *GROUND ELECTRODE*

| CODE                                                                                                                                                          | CABLE LENGTH |                                                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------------------------------------|
| <b>BOTT4D1-12</b>                                                                                                                                             | 1.2 m        |                                                  |
| <b>BOTT4D1-15</b>                                                                                                                                             | 1.5 m        |                                                  |
| connection cable; extra-flexible TINSEL<br><b>CONNECTION</b><br><b>electrode end:</b> 4 mm female snap<br><b>instrument end:</b> touchproof DIN42802 Ø 1.5 mm |              |                                                  |
|                                                                                                                                                               |              | colour: green.<br>Customized colours: see above. |

# FIXATION STRAP FOR ELECTRODES

## REUSABLE

Made of Velcro stretch fabric, this fixation strap is designed for fastening the electrodes to the patient.

Packaging: box containing 1 piece.

| CODE           | SIZE  | VELCRO WIDTH | VELCRO LENGTH |
|----------------|-------|--------------|---------------|
| <b>FASC25C</b> | short | 25 mm        | 330 mm        |
| <b>FASC25L</b> | long  | 25 mm        | 550 mm        |



You can also order a fixation strap whose length differs from the standard. Just add a hyphen and a two-figure number representing the desired length expressed in decimetres on the right of the product code.

For instance, in order to receive an 800-millimetre long fixation strap you will have to specify the code for it: **FASC25L-80**.



# SURFACE ELECTRODES

THIS SECTION IS ABOUT SURFACE ELECTRODES  
USED FOR NEUROPHYSIOLOGIC EXAMINATION.

Pre-gelled electrodes with 8-cm lead wire

Pre-gelled electrodes with integrated cable

Self-adhesive snap round electrodes

Self-adhesive snap rectangular electrodes

Self-adhesive electrodes with silver foil

Disposable cup electrodes

REUSABLE gold-plated cup electrodes

REUSABLE silver/silver chloride cup electrodes

Plastic-coated silver/silver chloride cup electrodes

Light-weight silver/silver chloride electrodes

Kit: 21 marked cup electrodes

Disc electrodes with shielded cable

# 15X20 MM PRE-GELLED ELECTRODES WITH 8-CM LEAD WIRE DISPOSABLE

Conductive pre-gelled electrodes for surface recording. With 8-cm lead wire and Ø 1.0 mm touchproof connector.

*TYPE OF ADHESIVE: SOLID HYDRO-GEL. REPOSITIONABLE.*

**Packaging:** box containing 100 pieces  
packed in individual pouches.

| CODE          | SIZE       | RECORDING AREA      |
|---------------|------------|---------------------|
| <i>SA15NI</i> | 15 x 20 mm | 280 mm <sup>2</sup> |



## CONNECTION CABLES FOR PRE-GELLED ELECTRODES WITH 8-CM LEAD WIRE

| CODE                                                                                                                                                       | CABLE LENGTH |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------------------------------------------------------------------------|
| <b>CNU1KPI-10</b>                                                                                                                                          | 1.0 m        |  |
| <b>CNU1KPI-15</b>                                                                                                                                          | 1.5 m        |                                                                                      |
| connection cable: extra-flexible TINSEL<br>CONNECTION<br><b>needle electrode end:</b> 1.0 mm female<br><b>instrument end:</b> touchproof DIN42802 Ø 1.5 mm |              |                                                                                      |
|                                                                                                                                                            |              |                                                                                      |
|                                                                                                                                                            |              | colour: yellow.<br>Customized colours: see above.                                    |

| CODE                                                                                                                                                       | CABLE LENGTH |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------------------------------------------------------------------------|
| <b>CNU3KDN-15</b>                                                                                                                                          | 1.5 m        |                                                                                      |
| <b>CNU3KDN-20</b>                                                                                                                                          | 2.0 m        |                                                                                      |
| Connection cable: shielded, extraflexible, and grey.<br>CONNECTION<br><b>needle electrode end:</b> 1.0 mm female<br><b>instrument end:</b> 5 pole DIN 240° |              |                                                                                      |

# 15X20 MM PRE-GELLED ELECTRODES WITH INTEGRATED CABLE DISPOSABLE

Pre-gelled surface electrodes with integrated cable.

Packaging: box containing 60 pieces.

packed in 10 pouches containing 6 pieces each  
(2 electrodes per colour)

| CODE             | SIZE       | RECORDING AREA      | CABLE LENGTH | CABLE COLOUR                                                                        |                                                                                     |                                                                                     |
|------------------|------------|---------------------|--------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <i>SA15W1-06</i> | 15 x 20 mm | 280 mm <sup>2</sup> | 0.6 m        |  |  |  |
| <i>SA15W1-10</i> | 15 x 20 mm | 280 mm <sup>2</sup> | 1.0 m        |  |  |  |
| <i>SA15W1-15</i> | 15 x 20 mm | 280 mm <sup>2</sup> | 1.5 m        |  |  |  |



**TYPE OF ADHESIVE: SOLID HYDRO-GEL. REPOSITIONABLE.**

Connection cable: extra-flexible cable

instrument end: touchproof DIN42802 Ø 1.5 mm

# 20X25 MM PRE-GELLED ELECTRODES WITH INTEGRATED CABLE DISPOSABLE

Pre-gelled surface electrodes with integrated cable.

Packaging: box containing 60 pieces  
packed in 10 pouches containing 6 pieces each  
(2 electrodes per colour)

| CODE             | SIZE       | RECORDING AREA      | CABLE LENGTH | CABLE COLOUR                                                                                                                                                                                                                                                |
|------------------|------------|---------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>SA25W1-10</i> | 20 x 25 mm | 500 mm <sup>2</sup> | 1.0 m        |    |
| <i>SA25W1-15</i> | 20 x 25 mm | 500 mm <sup>2</sup> | 1.5 m        |    |



**TYPE OF ADHESIVE: SOLID HYDRO-GEL. REPOSITIONABLE.**

Connection cable: extra-flexible cable

**instrument end:** touchproof DIN42802 Ø 1.5 mm

# 40X28 MM PRE-GELLED ELECTRODES WITH INTEGRATED CABLE DISPOSABLE

Self-adhesive ground electrodes with integrated cable.

**Packaging:** box containing 40 pieces  
packed in 10 pouches containing 4 pieces each.

| CODE             | SIZE       | RECORDING<br>AREA    | CABLE<br>LENGTH | CABLE<br>COLOUR                                                                     |
|------------------|------------|----------------------|-----------------|-------------------------------------------------------------------------------------|
| <b>SA40W1-15</b> | 40 x 28 mm | 1000 mm <sup>2</sup> | 1.5 m           |  |



**TYPE OF ADHESIVE: SOLID HYDRO-GEL. REPOSITIONABLE.**

Connection cable: extra-flexible cable

**instrument end:** touchproof DIN42802 Ø 1.5 mm

# SELF-ADHESIVE SNAP ROUND ELECTRODES

**DISPOSABLE**

**DISPOSABLE** self-adhesive round electrodes with 4 mm snap.

**Packaging: box containing 52 pieces**  
**packed in 13 pouches containing 4 pieces each.**

| CODE                                                                                 | DIAMETER | RECORDING AREA      |
|--------------------------------------------------------------------------------------|----------|---------------------|
| <b>TE22R</b>                                                                         | 22 mm    | 380 mm <sup>2</sup> |
| <b>TE24R</b>                                                                         | 24 mm    | 450 mm <sup>2</sup> |
| <b>TE30R</b>                                                                         | 30 mm    | 700 mm <sup>2</sup> |
|  |          |                     |

**TYPE OF ADHESIVE: SOLID HYDRO-GEL. REPOSITIONABLE.**

## CONNECTION CABLE FOR SELF-ADHESIVE SNAP ROUND ELECTRODES

| CODE                                                                                       | CABLE LENGTH |  |
|--------------------------------------------------------------------------------------------|--------------|--------------------------------------------------------------------------------------|
| <b>BOTT4D1-12</b>                                                                          | 1.2 m        |  |
| <b>BOTT4D1-15</b>                                                                          | 1.5 m        |                                                                                      |
| connection cable: extra-flexible TINSEL                                                    |              |                                                                                      |
| CONNECTION<br>electrode end: 4.0 mm female<br>instrument end: touchproof DIN42802 Ø 1.5 mm |              |                                                                                      |
|                                                                                            |              | colour: green.<br>Customized colours: see above.                                     |

# 35X45 MM SELF-ADHESIVE SNAP RECTANGULAR ELECTRODES

## DISPOSABLE

**DISPOSABLE** self-adhesive rectangular electrodes with 4 mm snap.

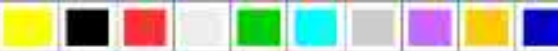
**Packaging:** box containing 52 pieces  
packed in 13 pouches containing 4 pieces each.

| CODE          | SIZE       | RECORDING AREA       |
|---------------|------------|----------------------|
| <b>TE3545</b> | 35 x 45 mm | 1575 mm <sup>2</sup> |



**TYPE OF ADHESIVE: SOLID HYDRO-GEL. REPOSITIONABLE.**

### CONNECTION CABLE FOR SELF-ADHESIVE SNAP RECTANGULAR ELECTRODES

| CODE                                                                                                     | CABLE LENGTH |  |
|----------------------------------------------------------------------------------------------------------|--------------|--------------------------------------------------------------------------------------|
| <b>BOTT4D1-12</b>                                                                                        | 1.2 m        |  |
| <b>BOTT4D1-15</b>                                                                                        | 1.5 m        |                                                                                      |
| connection cable: extra-flexible TINSEL                                                                  |              |                                                                                      |
| CONNECTION<br><b>electrode end:</b> 4.0 mm female<br><b>instrument end:</b> touchproof DIN42802 Ø 1.5 mm |              |                                                                                      |
|                                                                                                          |              | colour: green.<br>Customized colours: see above.                                     |

# 40X90 MM SELF-ADHESIVE SNAP RECTANGULAR ELECTRODES

## DISPOSABLE

**DISPOSABLE** self-adhesive rectangular electrodes with 4 mm snap.

**Packaging:** box containing 30 pieces  
packed in 15 pouches containing 2 pieces each.

| CODE          | SIZE       | RECORDING AREA       |
|---------------|------------|----------------------|
| <b>TE4090</b> | 40 x 90 mm | 3600 mm <sup>2</sup> |



**TYPE OF ADHESIVE: SOLID HYDRO-GEL. REPOSITIONABLE**

### CONNECTION CABLE FOR SELF-ADHESIVE SNAP RECTANGULAR ELECTRODES

| CODE                                                                                       | CABLE LENGTH |  |
|--------------------------------------------------------------------------------------------|--------------|--------------------------------------------------------------------------------------|
| <b>BOTT4D1-12</b>                                                                          | 1.2 m        |  |
| <b>BOTT4D1-15</b>                                                                          | 1.5 m        |                                                                                      |
| connection cable: extra-flexible TINSEL                                                    |              |                                                                                      |
| CONNECTION<br>electrode end: 4.0 mm female<br>instrument end: touchproof DIN42802 Ø 1.5 mm |              |                                                                                      |
|                                                                                            |              | colour: green.<br>Customized colours: see above.                                     |

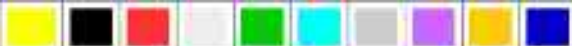
# SELF-ADHESIVE ELECTRODES WITH SILVER FOIL WITH 8-CM LEAD WIRE DISPOSABLE

This **DISPOSABLE** electrode is suitable for accurate surface recording. A drop of conductive electrode gel has to be put on the Ag/AgCl foil before the application of the electrode on the patient's skin.

Packaging: box containing 100 pieces.

| CODE          | SIZE       | USE        |  |
|---------------|------------|------------|------------------------------------------------------------------------------------|
| <b>SU05N1</b> | 12 x 20 mm | PAEDIATRIC |                                                                                    |
| <b>SU15N1</b> | 15 x 25 mm | STANDARD   |                                                                                    |

## CONNECTION CABLE FOR *ELECTRODES WITH SILVER FOIL AND 8-CM LEAD WIRE*

| CODE                                                                                                     | CABLE LENGTH |   |
|----------------------------------------------------------------------------------------------------------|--------------|--------------------------------------------------------------------------------------|
| <b>CNU1KPI-10</b>                                                                                        | 1.0 m        |  |
| <b>CNU1KPI-15</b>                                                                                        | 1.5 m        |                                                                                      |
| connection cable: extra-flexible TINSEL                                                                  |              |                                                                                      |
| CONNECTION<br><b>electrode end:</b> 1.0 mm female<br><b>instrument end:</b> touchproof DIN42802 Ø 1.5 mm |              |                                                                                      |
|                                                                                                          |              | Colour: yellow.<br>Customized colours: see above.                                    |

| CODE                                                                                                                                                                | CABLE LENGTH |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------------------------------------------------------------------------|
| <b>CNU3KDN-15</b>                                                                                                                                                   | 1.5 m        |                                                                                      |
| <b>CNU3KDN-20</b>                                                                                                                                                   | 2.0 m        |                                                                                      |
| Connection cable: shielded, extraflexible, and grey.<br><br>CONNECTION<br><b>electrode end:</b> 1.0 mm female<br><b>instrument end:</b> 5 pole DIN 240 <sup>2</sup> |              |                                                                                      |

# 10-MM CUP ELECTRODES WITH 8-CM LEAD WIRE DISPOSABLE

**DISPOSABLE** cup electrode with Ag/AgCl coating, central hole, and lateral rim.  
With 8-cm lead wire.

Packaging: box containing 200 pieces  
packed in 10 pouches.

| CODE           | DIAMETER |
|----------------|----------|
| <b>COPM10K</b> | D=10 mm  |



## CONNECTION CABLE FOR CUP ELECTRODES WITH 8-CM LEAD WIRE

| CODE                                                                                       | CABLE LENGTH |
|--------------------------------------------------------------------------------------------|--------------|
| <b>CNU1KPI-10</b>                                                                          | 1.0 m        |
| <b>CNU1KPI-15</b>                                                                          | 1.5 m        |
| connection cable: extra-flexible TINSEL                                                    |              |
| CONNECTION<br>electrode end: 1.0 mm female<br>instrument end: touchproof DIN42802 Ø 1.5 mm |              |



colour: yellow.  
Customized colours: see above.

| CODE                                                                          | CABLE LENGTH |
|-------------------------------------------------------------------------------|--------------|
| <b>CNU3KDN-15</b>                                                             | 1.5 m        |
| <b>CNU3KDN-20</b>                                                             | 2.0 m        |
| Connection cable: shielded, extraflexible, and grey.                          |              |
| CONNECTION<br>electrode end: 1.0 mm female<br>instrument end: 5 pole DIN 240° |              |



# 10-MM CUP ELECTRODES WITH INTEGRATED CONNECTION CABLE **DISPOSABLE**

**DISPOSABLE** cup electrode with Ag/AgCl coating, central hole, and lateral rim.  
With integrated connection cable.

**Packaging:** box containing 50 pieces  
packed in 10 pouches.

| CODE               | DIAMETER | CABLE LENGTH | CABLE COLOUR                                                                        |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|--------------------|----------|--------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>COPM10W1-10</b> | D=10 mm  | 1.0 m        |  |  |  |  |  |
| <b>COPM10W1-15</b> | D=10 mm  | 1.5 m        |  |  |  |  |  |
|                    |          |              | G                                                                                   | B                                                                                   | N                                                                                   | R                                                                                   | V                                                                                   |



connection cable: extra-flexible

**instrument end:** touchproof DIN42802 Ø 1.5 mm

# REUSABLE GOLD-PLATED CUP ELECTRODES

## REUSABLE

**REUSABLE** gold-plated cup electrode with central hole and lateral rim.  
With integrated antistatic wire and touchproof plug.

**Packaging:** box containing 10 pieces  
packed in individual pouches.

| CODE              | CUP DIAMETER | WIRE LENGTH/TYPE      | COLOUR                                                                                |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
|-------------------|--------------|-----------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <i>COD06P1-10</i> | D=6 mm       | 1.0 m antistatic wire |    |    |    |    |    |
| <i>COD06P1-15</i> | D=6 mm       | 1.5 m antistatic wire |    |    |    |    |    |
| <i>COD08P1-10</i> | D=8 mm       | 1.0 m antistatic wire |    |    |    |    |    |
| <i>COD08P1-15</i> | D=8 mm       | 1.5 m antistatic wire |    |    |    |    |    |
| <i>COD10P1-10</i> | D=10 mm      | 1.0 m antistatic wire |  |  |  |  |  |
| <i>COD10P1-15</i> | D=10 mm      | 1.5 m antistatic wire |  |  |  |  |  |
|                   |              |                       | G                                                                                     | B                                                                                     | N                                                                                     | R                                                                                     | V                                                                                     |



Connection cable: extra-flexible TINSEL

CONNECTION

**instrument end:** touchproof DIN42802 Ø 1.5 mm

# SILVER/SILVER CHLORIDE CUP ELECTRODES

## REUSABLE

**REUSABLE** cup electrode with Ag/AgCl coating, central hole, and lateral rim.  
With integrated antistatic wire and touchproof plug.

**Packaging: box containing 10 pieces  
packed in individual pouches.**

| CODE              | CUP DIAMETER | WIRE LENGTH/TYPE      | COLOUR                                                                                |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
|-------------------|--------------|-----------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>COP06P1-10</b> | D=6 mm       | 1.0 m antistatic wire |    |    |    |    |    |
| <b>COP06P1-15</b> | D=6 mm       | 1.5 m antistatic wire |    |    |    |    |    |
| <b>COP08P1-10</b> | D=8 mm       | 1.0 m antistatic wire |    |    |    |    |    |
| <b>COP08P1-15</b> | D=8 mm       | 1.5 m antistatic wire |    |    |    |    |    |
| <b>COP10P1-10</b> | D=10 mm      | 1.0 m antistatic wire |   |   |   |   |   |
| <b>COP10P1-15</b> | D=10 mm      | 1.5 m antistatic wire |  |  |  |  |  |
|                   |              |                       | G                                                                                     | B                                                                                     | N                                                                                     | R                                                                                     | V                                                                                     |



Connection cable: extra-flexible TINSEL

CONNECTION

**instrument end:** touchproof DIN42802 Ø 1.5 mm

# SILVER/SILVER CHLORIDE CUP ELECTRODES WITH SILICONE WIRE

## REUSABLE

**REUSABLE** cup electrode with Ag/AgCl coating, central hole, and lateral rim.  
With integrated silicone wire and touchproof plug.

**Packaging:** box containing 10 pieces  
packed in individual pouches.

| CODE              | CUP DIAMETER | WIRE LENGTH/TYPE    | COLOUR                                                                                |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
|-------------------|--------------|---------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>COP06S1-10</b> | D=6 mm       | 1.0 m silicone wire |    |    |    |    |    |
| <b>COP06S1-15</b> | D=6 mm       | 1.5 m silicone wire |    |    |    |    |    |
| <b>COP08S1-10</b> | D=8 mm       | 1.0 m silicone wire |    |    |    |    |    |
| <b>COP08S1-15</b> | D=8 mm       | 1.5 m silicone wire |    |    |    |    |    |
| <b>COP10S1-10</b> | D=10 mm      | 1.0 m silicone wire |  |  |  |  |  |
| <b>COP10S1-15</b> | D=10 mm      | 1.5 m silicone wire |  |  |  |  |  |
|                   |              |                     | G                                                                                     | B                                                                                     | N                                                                                     | R                                                                                     | V                                                                                     |



Connection cable: extra-flexible silicone

CONNECTION

**instrument end:** touchproof DIN42802 Ø 1.5 mm

# SILVER/SILVER CHLORIDE CUP ELECTRODES WITH PLASTIC COVER REUSABLE

**REUSABLE** cup electrode with Ag/AgCl coating. Its plastic cover makes it a fluid electrode. A drop of conductive electrode gel has to be put on the cup before the application of the electrode on the patient's skin.  
With integrated connection cable and touchproof plug.

**Packaging:** box containing 10 pieces  
packed in individual pouches.

| CODE               | DIAMETER | WIRE LENGTH/TYPE      | COLOUR                                                                              |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|--------------------|----------|-----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>COPR08P1-10</b> | D=8 mm   | 1.0 m antistatic wire |  |  |  |  |  |
|                    |          |                       | G                                                                                   | B                                                                                   | N                                                                                   | R                                                                                   | N                                                                                   |



Connection cable: extra-flexible TINSEL

CONNECTION

**instrument end:** *touchproof DIN42802 Ø 1.5 mm*

# LIGHT-WEIGHT SILVER/SILVER CHLORIDE ELECTRODES

**REUSABLE**

**REUSABLE** light-weight electrodes with Ag/AgCl foil.  
With integrated connection cable.

**Packaging:** box containing 10 pieces  
packed in individual pouches.

| CODE               | FOIL SIZE          | WIRE LENGTH/TYPE         | COLOUR                                                                              |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|--------------------|--------------------|--------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>COPL16T1-10</b> | 16 x 3.5 x 0.10 mm | 1.0 m Ø 0.60 Teflon wire |  |  |  |  |  |
|                    |                    |                          | G                                                                                   | B                                                                                   | N                                                                                   | R                                                                                   | V                                                                                   |



Connection cable: extra-flexible Teflon

CONNECTION

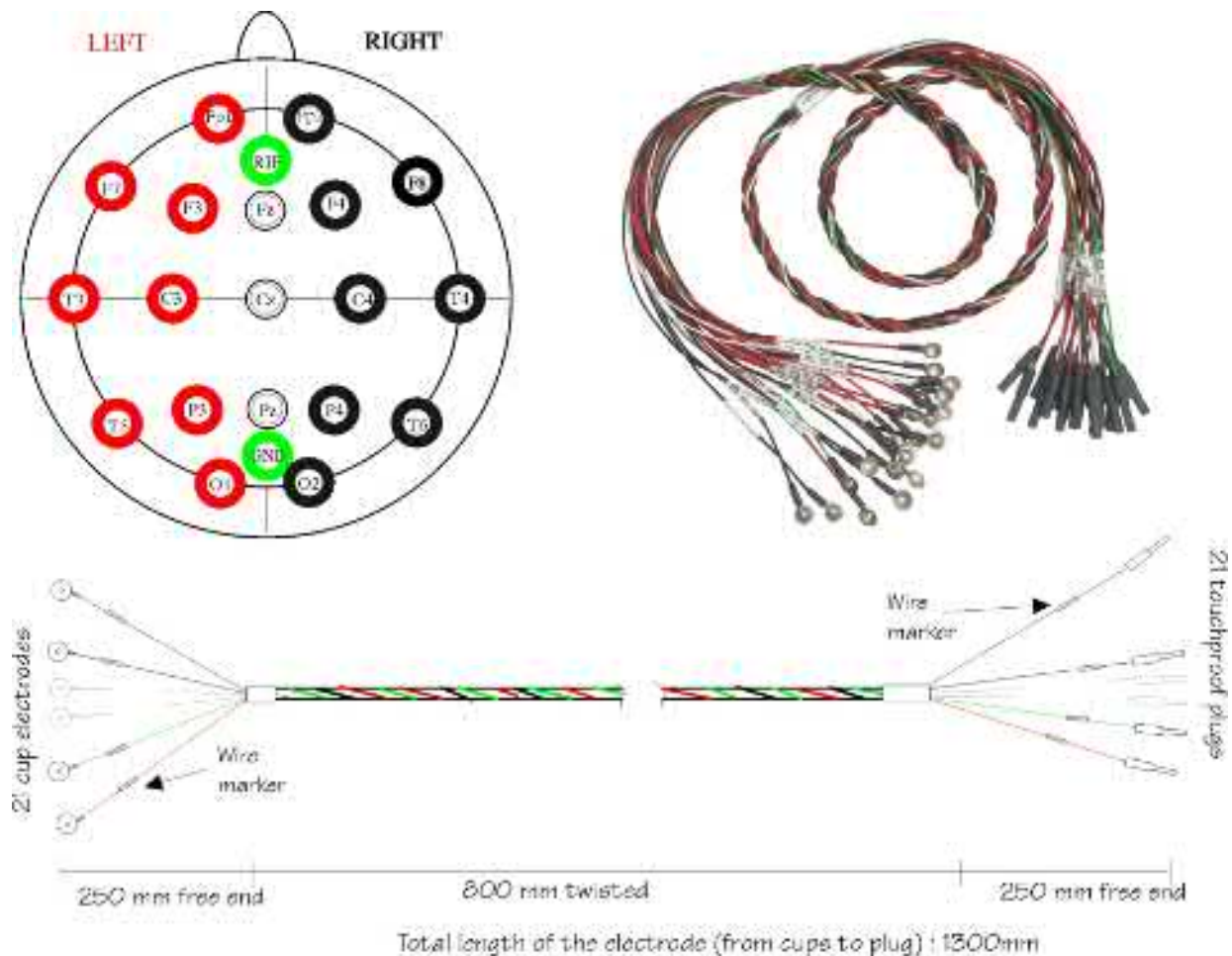
**instrument end:** touchproof DIN42802 Ø 1.5 mm

# KIT: 21 MARKED CUP ELECTRODES WITH TWISTED CABLES FOR EEG REUSABLE

This kit is made up of 21 cup electrodes (diameter 10 mm). The electrodes are marked for EEG. With twisted cables.

Packaging: 1 kit.

| CODE               | CUP DIAMETER | WIRE            | MARKING      |
|--------------------|--------------|-----------------|--------------|
| <b>COP10TK1-13</b> | 10 mm        | antistatic wire | 10-20 system |



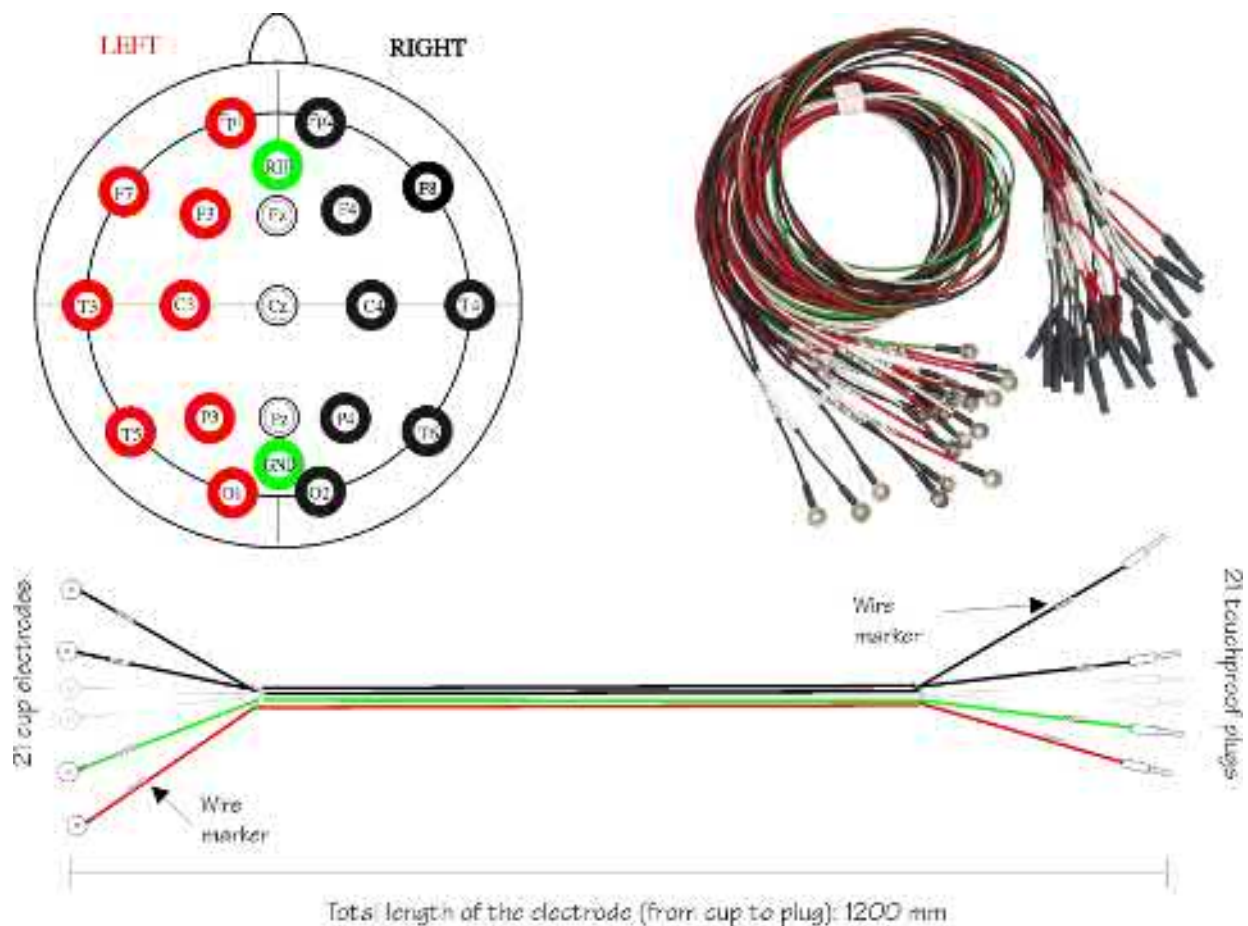
Connection cable: extra-flexible TINSEL  
instrument end: touchproof DIN42802 Ø 1.5 mm

# KIT: 21 MARKED CUP ELECTRODES WITH STRAIGHT CABLES FOR EEG REUSABLE

This kit is made up of 21 cup electrodes (diameter 10 mm). The electrodes are marked for EEG. With separate straight cables.

Packaging: 1 kit

| CODE               | CUP DIAMETER | WIRE            | MARKING      |
|--------------------|--------------|-----------------|--------------|
| <b>COP10LK1-12</b> | 10 mm        | antistatic wire | 10-20 system |



Connection cable: extra-flexible TINSEL  
instrument end: touchproof DIN42802 Ø 1.5 mm

# CUP ELECTRODES WITH SHIELDED CABLE REUSABLE

Pair of Ag/AgCl cup electrodes with central hole and lateral rim.

Packaging: box containing one piece.

| CODE                      | DIAMETER |
|---------------------------|----------|
| <i><b>RIVE10DN-15</b></i> | D=10mm   |



Connection cable: SHIELDED, extraflexible

CONNECTION

**instrument end:** 5 pole DIN 240°

# FLAT DISC ELECTRODES WITH SHIELDED CABLE REUSABLE

Pair of Ag/AgCl flat disc electrodes with central hole.

Packaging: box containing 1 piece

| CODE               | DIAMETER |
|--------------------|----------|
| <i>RIVE11DN-15</i> | D=10mm   |



Connection cable: SHIELDED, extraflexible  
CONNECTION  
**instrument end:** 5 pole DIN 240°

# EEG

## THIS SECTION IS ABOUT THE ELECTRODES USED FOR EEG MONITORING AND EVOKED POTENTIALS RECORDING

- Pre-assembled EEG head caps with internal wires
- Pre-assembled EEG head caps with external wires
  - Pre-assembled EEG head caps with thin wires
- Pre-assembled EEG head caps for premature babies
  - Pre-assembled EEG head caps for MRI and TMS
- Interface cables for pre-assembled EEG head caps
  - Emergency cable for EEG head caps
- Pre-assembled EEG head caps with 32/41 electrodes
- Pre-assembled EEG head caps for evoked potentials recording
  - Respiration sensor
- Tubular elastic EEG head caps
  - Bridge electrodes for tubular elastic EEG head caps
  - Ear electrodes
- Connection cables for bridge electrodes
  - Kit: 21 marked alligator clip cables
  - Conductive electrode gel
  - Blunt needles
  - Neurology accessories

# INTRODUCTORY REMARKS

## PRE-ASSEMBLED EEG HEAD CAPS

These EEG head caps are made of stretch fabric. The electrodes are permanently positioned following the INTERNATIONAL 10-20 system.

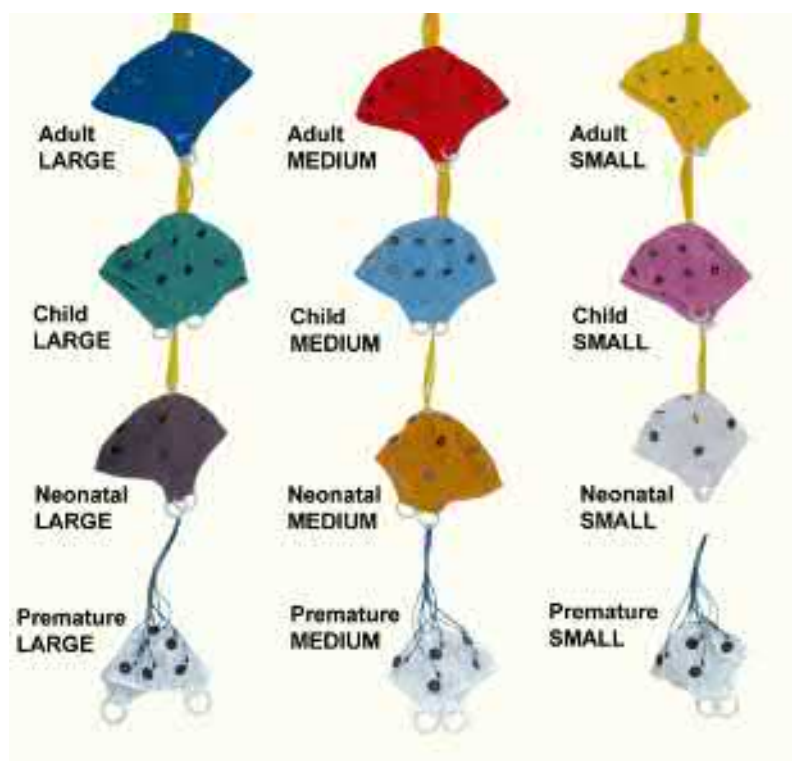
The electrodes are made of **Ag/AgCl**. When the head cap has been put on the patient, the electrodes must be filled with conductive gel. This gel has to be injected into every electrode's hole using a syringe with blunt needle.

The extra-flexible and mechanically strong TINSEL wires (standard length: 900mm) come out of the head cap. Their end connects them to a 25 pin male D-Sub connector, which makes disconnection quicker.

The interface cable (standard length: 400 mm) must be plugged into the head cap connector. On the other end of the interface cable there are 21 marked cables (**universal connection**) which are plugged into the EEG box. The final connector is a Ø 1.5 mm touchproof DIN42802. Both the EEG box and the 21 cables are marked following the INTERNATIONAL 10-20 system.

The EEG head caps are available in many different adult and child sizes. The head cap's size is clearly distinguishable by its colour.

The position of the electrodes Fp1 and Fp2 is marked on the head cap for easy identification of the frontal section.



The head caps come complete with a fastener which is made up of a soft chin strap and an adjustable Velcro strap.

Other types of fasteners (such as body harnesses and several types of chin straps) are sold separately (see pages 95-96).

The head caps with “S” wiring must be connected with the interface cable CUEFD1S, otherwise the electric connection won’t work.

The head caps with direct connection to the EEG box do not need any interface cable. In that case, the head cap’s wires are 1300 mm long and the plug has to be put directly into the EEG box of the desired manufacturer (for instance, the head cap CUET52M must be put into a MICROMED EEG box).

Head caps with customized layouts for evoked potentials recording or any other use can be manufactured upon request.

#### AVAILABLE MODELS:

The EEG head caps come complete with soft rubber electrodes which are available in two different thicknesses:

- 1) standard thickness
- 2) reduced thickness, which is particularly suitable for polysomnography (PSG).

The head cap’s wires may be arranged in two different ways:

- 1) the wires may be located internally: the head cap will be more compact; or
- 2) the wires may be located externally: the head cap will cling to the patient.

These four different models make it possible for the customer to choose the pre-assembled head cap which best suits their needs.



# PRE-ASSEMBLED EEG HEAD CAPS WITH STANDARD-THICKNESS ELECTRODES AND WIRES LOCATED INTERNALLY **REUSABLE**

**Packaging: box containing 1 piece.**

| CODE           | WIRES    | SIZE     | Number of electrodes   | DESCRIPTION         | COLOUR |
|----------------|----------|----------|------------------------|---------------------|--------|
| <b>CUEF60S</b> | internal | 58-62 cm | 21, standard thickness | Extra large, adult  | Blue   |
| <b>CUEF56S</b> | internal | 54-58 cm | 21, standard thickness | Large, adult        | Red    |
| <b>CUEF52S</b> | internal | 50-54 cm | 21, standard thickness | Medium-small, adult | Yellow |
| <b>CUEF48S</b> | internal | 46-50 cm | 21, standard thickness | Large, child        | Green  |
| <b>CUEF44S</b> | internal | 42-46 cm | 21, standard thickness | Medium, child       | L.Blue |
| <b>CUEF41S</b> | internal | 38-42 cm | 21, standard thickness | Small, child        | Pink   |
| <b>CUEF38S</b> | internal | 34-38 cm | 11, standard thickness | Large, neonatal     | Brown  |
| <b>CUEF34S</b> | internal | 32-34 cm | 11, standard thickness | Medium, neonatal    | Orange |
| <b>CUEF32S</b> | internal | 30-32 cm | 11, standard thickness | Small, neonatal     | White  |



**CUSTOMIZED CONNECTION CABLES ARE AVAILABLE UPON REQUEST.**

YOU CAN ORDER EEG HEAD CAPS WITH DIRECT CONNECTION TO THE EEG BOX.

JUST REPLACE THE PRODUCT CODE'S LAST LETTER (**S**) WITH THE LETTER STANDING FOR THE DESIRED CONNECTION. SEE THE CHART BELOW.

|          |               |  |           |             |
|----------|---------------|--|-----------|-------------|
| <b>A</b> | INTERNATIONAL |  | <b>N</b>  | NEUROSOFT   |
| <b>M</b> | MICROMED      |  | <b>XX</b> | CUSTOM-MADE |

# PRE-ASSEMBLED EEG HEAD CAPS WITH REDUCED-THICKNESS ELECTRODES AND WIRES LOCATED INTERNALLY **REUSABLE**

**Packaging: box containing 1 piece.**

| CODE           | WIRES    | SIZE     | Number of electrodes  | DESCRIPTION         | COLOUR  |
|----------------|----------|----------|-----------------------|---------------------|---------|
| <b>CUER60S</b> | internal | 58-62 cm | 21, reduced thickness | Extra large, adult  | Blue    |
| <b>CUER56S</b> | internal | 54-58 cm | 21, reduced thickness | Large, adult        | Red     |
| <b>CUER52S</b> | internal | 50-54 cm | 21, reduced thickness | Medium-small, adult | Yellow  |
| <b>CUER48S</b> | internal | 46-50 cm | 21, reduced thickness | Large, child        | Green   |
| <b>CUER44S</b> | internal | 42-46 cm | 21, reduced thickness | Medium, child       | L. Blue |
| <b>CUER41S</b> | internal | 38-42 cm | 21, reduced thickness | Small, child        | Pink    |
| <b>CUER38S</b> | internal | 34-38 cm | 11, reduced thickness | Large, neonatal     | Brown   |
| <b>CUER34S</b> | internal | 32-34 cm | 11, reduced thickness | Medium, neonatal    | Orange  |
| <b>CUER32S</b> | internal | 30-32 cm | 11, reduced thickness | Small, neonatal     | White   |



**CUSTOMIZED CONNECTION CABLES ARE AVAILABLE UPON REQUEST.**

YOU CAN ORDER EEG HEAD CAPS WITH DIRECT CONNECTION TO THE EEG BOX.

JUST REPLACE THE PRODUCT CODE'S LAST LETTER (**S**) WITH THE LETTER STANDING FOR THE DESIRED CONNECTION. SEE THE CHART BELOW.

|          |               |  |           |             |
|----------|---------------|--|-----------|-------------|
| <b>A</b> | INTERNATIONAL |  | <b>N</b>  | NEUROSOFT   |
| <b>M</b> | MICROMED      |  | <b>XX</b> | CUSTOM-MADE |

# PRE-ASSEMBLED EEG HEAD CAPS WITH STANDARD-THICKNESS ELECTRODES AND WIRES LOCATED EXTERNALLY **REUSABLE**

**Packaging: box containing 1 piece.**

| CODE           | WIRES    | SIZE     | Number of electrodes   | DESCRIPTION         | COLOUR  |
|----------------|----------|----------|------------------------|---------------------|---------|
| <b>CUEE60S</b> | external | 58-62 cm | 21, standard thickness | Extra large, adult  | Blue    |
| <b>CUEE56S</b> | external | 54-58 cm | 21, standard thickness | Large, adult        | Red     |
| <b>CUEE52S</b> | external | 50-54 cm | 21, standard thickness | Medium-small, adult | Yellow  |
| <b>CUEE48S</b> | external | 46-50 cm | 21, standard thickness | Large, child        | Green   |
| <b>CUEE44S</b> | external | 42-46 cm | 21, standard thickness | Medium, child       | L. Blue |
| <b>CUEE41S</b> | external | 38-42 cm | 21, standard thickness | Small, child        | Pink    |
| <b>CUEE38S</b> | external | 34-38 cm | 11, standard thickness | Large, neonatal     | Brown   |
| <b>CUEE34S</b> | external | 32-34 cm | 11, standard thickness | Medium, neonatal    | Orange  |
| <b>CUEE32S</b> | external | 30-32 cm | 11, standard thickness | Small, neonatal     | White   |



**CUSTOMIZED CONNECTION CABLES ARE AVAILABLE UPON REQUEST.**

YOU CAN ORDER EEG HEAD CAPS WITH DIRECT CONNECTION TO THE EEG BOX.

JUST REPLACE THE PRODUCT CODE'S LAST LETTER (**S**) WITH THE LETTER STANDING FOR THE DESIRED CONNECTION. SEE THE CHART BELOW.

|          |               |  |           |             |
|----------|---------------|--|-----------|-------------|
| <b>A</b> | INTERNATIONAL |  | <b>N</b>  | NEUROSOFT   |
| <b>M</b> | MICROMED      |  | <b>XX</b> | CUSTOM-MADE |

# PRE-ASSEMBLED EEG HEAD CAPS WITH REDUCED-THICKNESS ELECTRODES AND WIRES LOCATED EXTERNALLY **REUSABLE**

**Packaging: box containing 1 piece.**

| CODE           | WIRES    | SIZE     | Number of electrodes  | DESCRIPTION         | COLOUR |                                                                                       |
|----------------|----------|----------|-----------------------|---------------------|--------|---------------------------------------------------------------------------------------|
| <b>CUET60S</b> | external | 58-62 cm | 21, reduced thickness | Extra large, adult  | Blue   |    |
| <b>CUET56S</b> | external | 54-58 cm | 21, reduced thickness | Large, adult        | Red    |    |
| <b>CUET52S</b> | external | 50-54 cm | 21, reduced thickness | Medium-small, adult | Yellow |    |
| <b>CUET48S</b> | external | 46-50 cm | 21, reduced thickness | Large, child        | Green  |    |
| <b>CUET44S</b> | external | 42-46 cm | 21, reduced thickness | Medium, child       | L.Blue |    |
| <b>CUET41S</b> | external | 38-42 cm | 21, reduced thickness | Small, child        | Pink   |    |
| <b>CUET38S</b> | external | 34-38 cm | 11, reduced thickness | Large, neonatal     | Brown  |   |
| <b>CUET34S</b> | external | 32-34 cm | 11, reduced thickness | Medium, neonatal    | Orange |  |
| <b>CUET32S</b> | external | 30-32 cm | 11, reduced thickness | Small, neonatal     | White  |  |



**CUSTOMIZED CONNECTION CABLES ARE AVAILABLE UPON REQUEST.**

YOU CAN ORDER EEG HEAD CAPS WITH DIRECT CONNECTION TO THE EEG BOX.  
JUST REPLACE THE PRODUCT CODE'S LAST LETTER (**S**) WITH THE LETTER STANDING FOR THE  
DESIRED CONNECTION. SEE THE CHART BELOW.

|          |               |  |           |             |
|----------|---------------|--|-----------|-------------|
| <b>A</b> | INTERNATIONAL |  | <b>N</b>  | NEUROSOFT   |
| <b>M</b> | MICROMED      |  | <b>XX</b> | CUSTOM-MADE |

# PRE-ASSEMBLED EEG HEAD CAPS WITH REDUCED-THICKNESS ELECTRODES AND EXTERNAL, *THIN*, LIGHT BLUE WIRES **REUSABLE**

**Packaging: box containing 1 piece.**

| CODE           | WIRES    | SIZE     | Number of electrodes  | DESCRIPTION         | COLOUR |
|----------------|----------|----------|-----------------------|---------------------|--------|
| <b>CUEL60S</b> | external | 58-62 cm | 21, reduced thickness | Extra large, adult  | Blue   |
| <b>CUEL56S</b> | external | 54-58 cm | 21, reduced thickness | Large, adult        | Red    |
| <b>CUEL52S</b> | external | 50-54 cm | 21, reduced thickness | Medium-small, adult | Yellow |
| <b>CUEL48S</b> | external | 46-50 cm | 21, reduced thickness | Large, child        | Green  |
| <b>CUEL44S</b> | external | 42-46 cm | 21, reduced thickness | Medium, child       | LBlue  |
| <b>CUEL41S</b> | external | 38-42 cm | 21, reduced thickness | Small, child        | Pink   |
| <b>CUEL38S</b> | external | 34-38 cm | 11, reduced thickness | Large, neonatal     | Brown  |
| <b>CUEL34S</b> | external | 32-34 cm | 11, reduced thickness | Medium, neonatal    | Orange |
| <b>CUEL32S</b> | external | 30-32 cm | 11, reduced thickness | Small, neonatal     | White  |



**CUSTOMIZED CONNECTION CABLES ARE AVAILABLE UPON REQUEST.**

YOU CAN ORDER EEG HEAD CAPS WITH DIRECT CONNECTION TO THE EEG BOX.  
JUST REPLACE THE PRODUCT CODE'S LAST LETTER (**S**) WITH THE LETTER STANDING FOR THE  
DESIRED CONNECTION. SEE THE CHART BELOW.

|          |               |  |           |             |
|----------|---------------|--|-----------|-------------|
| <b>A</b> | INTERNATIONAL |  | <b>N</b>  | NEUROSOFT   |
| <b>M</b> | MICROMED      |  | <b>XX</b> | CUSTOM-MADE |

# PRE-ASSEMBLED EEG HEAD CAPS FOR PREMATURE BABIES WITH REDUCED-THICKNESS ELECTRODES AND EXTERNAL, *THIN*, LIGHT BLUE WIRES

**REUSABLE**

**Packaging: box containing 1 piece.**

| CODE           | WIRES           | SIZE            | Number of electrodes         | DESCRIPTION              | COLOUR       |  |
|----------------|-----------------|-----------------|------------------------------|--------------------------|--------------|--|
| <b>CUEL30S</b> | <i>external</i> | <i>29-31 cm</i> | <i>11, reduced thickness</i> | <i>Large, premature</i>  | <i>White</i> |  |
| <b>CUEL28S</b> | <i>external</i> | <i>27-29 cm</i> | <i>11, reduced thickness</i> | <i>Medium, premature</i> | <i>White</i> |  |
| <b>CUEL26S</b> | <i>external</i> | <i>25-27 cm</i> | <i>11, reduced thickness</i> | <i>Small, premature</i>  | <i>White</i> |  |



**CUSTOMIZED CONNECTION CABLES ARE AVAILABLE UPON REQUEST.**

YOU CAN ORDER EEG HEAD CAPS WITH DIRECT CONNECTION TO THE EEG BOX.  
JUST REPLACE THE PRODUCT CODE'S LAST LETTER (**S**) WITH THE LETTER STANDING FOR THE  
DESIRED CONNECTION. SEE THE CHART BELOW.

|          |               |  |           |             |
|----------|---------------|--|-----------|-------------|
| <b>A</b> | INTERNATIONAL |  | <b>N</b>  | NEUROSOFT   |
| <b>M</b> | MICROMED      |  | <b>XX</b> | CUSTOM-MADE |

# PRE-ASSEMBLED EEG HEAD CAPS FOR MRI AND TMS

## REUSABLE

This EEG head cap features electrodes with a peculiar shape and 4-metre-long non-magnetic wires. Suitable for recording in environments with high magnetic flux densities.

**Packaging: box containing 1 piece.**

| CODE           | WIRES    | SIZE     | Number of electrodes  | DESCRIPTION         | COLOUR |                                                                                       |
|----------------|----------|----------|-----------------------|---------------------|--------|---------------------------------------------------------------------------------------|
| <b>CURM60S</b> | external | 58-62 cm | 21, reduced thickness | Extra large, adult  | Blue   |    |
| <b>CURM56S</b> | external | 54-58 cm | 21, reduced thickness | Large, adult        | Red    |    |
| <b>CURM52S</b> | external | 50-54 cm | 21, reduced thickness | Medium-small, adult | Yellow |    |
| <b>CURM48S</b> | external | 46-50 cm | 21, reduced thickness | Large, child        | Green  |    |
| <b>CURM44S</b> | external | 42-46 cm | 21, reduced thickness | Medium, child       | L.Blue |    |
| <b>CURM41S</b> | external | 38-42 cm | 21, reduced thickness | Small, child        | Pink   |   |
| <b>CURM38S</b> | external | 34-38 cm | 11, reduced thickness | Large, neonatal     | Brown  |  |
| <b>CURM34S</b> | external | 32-34 cm | 11, reduced thickness | Medium, neonatal    | Orange |  |
| <b>CURM32S</b> | external | 30-32 cm | 11, reduced thickness | Small, neonatal     | White  |  |



**CUSTOMIZED CONNECTION CABLES ARE AVAILABLE UPON REQUEST.**

# INTERFACE CABLE FOR PRE-ASSEMBLED EEG HEAD CAPS **REUSABLE**

This INTERFACE CABLE (standard length 400 mm) plugs the EEG head cap into the EEG box.

At the end of the interface cable there are 21 marked cables (**universal connection**) which are plugged into the EEG box. The final connector is a touchproof Ø 1.5 mm DIN42802. The cables are marked following the INTERNATIONAL 10-20 system.

**Packaging: box containing 1 piece.**

| CODE                   | NUMBER OF ELECTRODES | HEAD CAP END           | EEG BOX END           |
|------------------------|----------------------|------------------------|-----------------------|
| <b><i>CUEFD1RS</i></b> | 11                   | SEI (S) sub-D25 female | touchproof DIN42802   |
| <b><i>CUEFD1S</i></b>  | 21                   | SEI (S) sub-D25 female | touchproof DIN42802   |
| <b><i>CUEFD1A</i></b>  | 21                   | INTERNATIONAL (A)      | touchproof DIN42802   |
| <b><i>CUEFMCS</i></b>  | 21                   | SEI (S) sub-D25 female | MICROMED sub-D25 male |
| <b><i>CUEFMZS</i></b>  | 21                   | SEI (S) sub-D25 female | MDR50                 |
| <b><i>CUEFLIS</i></b>  | 21                   | SEI (S) sub-D25 female | MDR36                 |



**CUSTOMIZED CONNECTION CABLES ARE AVAILABLE UPON REQUEST.**

# EMERGENCY CABLE FOR PRE-ASSEMBLED EEG HEAD CAPS

## REUSABLE

This cable enables the medical staff to restore the electrical connection between an electrode on the head cap and the EEG box.

**Packaging: box containing 1 piece.**

| CODE                    | CABLE LENGTH |
|-------------------------|--------------|
| <b><i>CUEMD1-15</i></b> | 1.5 m        |
| <b><i>CUEMD1-20</i></b> | 2.0 m        |



Connection cable: extra-flexible TINSEL

#### CONNECTION

**electrode end:** *stainless steel tulip-shaped male plug Ø= 2.5 x 5 mm*

**EEG box end:** *Ø 1.5 mm touchproof DIN42802*

# PRE-ASSEMBLED EEG HEAD CAPS WITH 32 REDUCED-THICKNESS ELECTRODES AND WIRES LOCATED EXTERNALLY **REUSABLE**

**Packaging: box containing 1 piece.**

| CODE              | WIRES           | SIZE            | Number of electrodes         | DESCRIPTION                | COLOUR                                                                                            |
|-------------------|-----------------|-----------------|------------------------------|----------------------------|---------------------------------------------------------------------------------------------------|
| <b>CUET56S-32</b> | <i>external</i> | <i>54-58 cm</i> | <i>32, reduced thickness</i> | <i>Large, adult</i>        | <i>Red</i>     |
| <b>CUET52S-32</b> | <i>external</i> | <i>50-54 cm</i> | <i>32, reduced thickness</i> | <i>Medium-small, adult</i> | <i>Yellow</i>  |
| <b>CUET48S-32</b> | <i>external</i> | <i>46-50 cm</i> | <i>32, reduced thickness</i> | <i>Large, child</i>        | <i>Green</i>   |



## 32-CHANNEL INTERFACE CABLE

**CODE**      ***CUEFD1S + CUEFD1X-11***

This INTERFACE CABLE (standard length 400 mm) plugs the EEG head cap into the EEG box.

**CONNECTION:**

**Head cap end:** two sub-D25 connectors (1 male plus 1 female)

**EEG box end:** 32 cables marked following the extended INTERNATIONAL 10-20 system.  
Ø 1.5 mm touchproof DIN42802.

# PRE-ASSEMBLED EEG HEAD CAPS

## WITH 41 REDUCED-THICKNESS ELECTRODES AND WIRES LOCATED EXTERNALLY

### REUSABLE

**Packaging: box containing 1 piece.**

| CODE              | WIRES           | SIZE            | Number of electrodes         | DESCRIPTION                | COLOUR                                                                                            |
|-------------------|-----------------|-----------------|------------------------------|----------------------------|---------------------------------------------------------------------------------------------------|
| <b>CUET56S-41</b> | <i>external</i> | <i>54-58 cm</i> | <i>41, reduced thickness</i> | <i>Large, adult</i>        | <i>Red</i>     |
| <b>CUET52S-41</b> | <i>external</i> | <i>50-54 cm</i> | <i>41, reduced thickness</i> | <i>Medium-small, adult</i> | <i>Yellow</i>  |
| <b>CUET48S-41</b> | <i>external</i> | <i>46-50 cm</i> | <i>41, reduced thickness</i> | <i>Large, child</i>        | <i>Green</i>   |



## 41-CHANNEL INTERFACE CABLE

**CODE**      **CUEFD1S + CUEFD1X-20**

This INTERFACE CABLE (standard length 400 mm) plugs the EEG head cap into the EEG box.

CONNECTION:

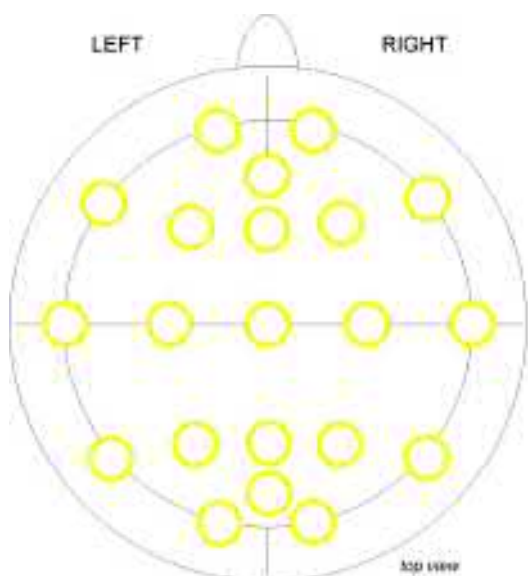
**Head cap end:** two sub-D25 connectors (1 male plus 1 female)

**EEG box end:** 41 cables marked following the extended INTERNATIONAL 10-20 system.  
Ø 1.5 mm touchproof DIN42802.

# PRE-ASSEMBLED EEG HEAD CAPS FOR EVOKED POTENTIALS RECORDING WIRES LOCATED EXTERNALLY **REUSABLE**

**Packaging: box containing 1 piece.**

| CODE             | WIRES    | SIZE     | Number of electrodes  | DESCRIPTION         | COLOUR                                                                                     |
|------------------|----------|----------|-----------------------|---------------------|--------------------------------------------------------------------------------------------|
| <b>CUPE56-13</b> | external | 54-58 cm | 13, reduced thickness | Large, adult        | Red     |
| <b>CUPE52-13</b> | external | 50-54 cm | 13, reduced thickness | Medium-small, adult | Yellow  |
| <b>CUPE48-13</b> | external | 46-50 cm | 13, reduced thickness | Large, child        | Green   |



**YOU CAN ORDER CUSTOMISED EEG HEAD CAPS.  
JUST CHANGE THE RED NUMBER IN THE PRODUCT CODE:**

**For instance: CUPE56-11 = HEAD CAP WITH 11 ELECTRODES.**

**PLEASE SPECIFY THE DESIDERED POSITION USING THE DIAGRAM ABOVE.**

**EEG box end:** The head cap is connected to the EEG box by cables marked following the extended INTERNATIONAL 10-20 system and Ø 1.5 mm touchproof DIN42802. Cable length: 1.3 m.

# RESPIRATION SENSOR

## REUSABLE

### PIEZOELECTRIC RESPIRATION SENSOR

The patient is hooked up to the sensor using a Velcro chest strap.

**Packaging: box containing 1 kit**

**made up of: 1 sensor + 1 adult-sized chest strap + 1 child-sized chest strap.**

|                |                              |
|----------------|------------------------------|
| CODE           | CONNECTOR                    |
| <b>RESENS1</b> | Ø 1.5 mm touchproof DIN42802 |



Connection cable: extra-flexible TINSEL

Cable length: 2.4 m.

# TUBULAR ELASTIC EEG HEAD CAPS FOR BRIDGE ELECTRODES GREY ELASTOMER **REUSABLE**

**Packaging: box containing 1 piece.**

| CODE           | BANDS | BAND DIAMETER | TYPE OF ELASTIC |
|----------------|-------|---------------|-----------------|
| <b>CUEP13R</b> | 6 x 2 | 4 mm          | Grey elastomer  |



**Packaging: box containing 1 piece**

| CODE           | BANDS | BAND DIAMETER | TYPE OF ELASTIC |
|----------------|-------|---------------|-----------------|
| <b>CUEP23R</b> | 5 x 4 | 4 mm          | Grey elastomer  |



# TUBULAR ELASTIC EEG HEAD CAP FOR BRIDGE ELECTRODES SILICONE RUBBER **REUSABLE**

**Packaging: box containing 1 piece.**

| CODE           | BANDS | BAND DIAMETER | TYPE OF ELASTIC |
|----------------|-------|---------------|-----------------|
| <b>CUEP05R</b> | 5 x 2 | 4 mm          | Silicone rubber |



**Packaging: box containing 1 piece.**

| CODE           | BANDS | BAND DIAMETER | TYPE OF ELASTIC |
|----------------|-------|---------------|-----------------|
| <b>CUEP15R</b> | 6 x 2 | 4 mm          | Silicone rubber |



**Packaging: box containing 1 piece.**

| CODE           | BANDS | BAND DIAMETER | TYPE OF ELASTIC |
|----------------|-------|---------------|-----------------|
| <b>CUEP25R</b> | 5 x 4 | 4 mm          | Silicone rubber |



# BRIDGE ELECTRODES FOR TUBULAR ELASTIC EEG HEAD CAPS RECORDING AREA: Ø 10 mm **REUSABLE**

Suitable for tubular EEG head caps.  
The metallic part of the electrode is made of massive silver and coated in Ag/AgCl.  
The final part of these bridge electrodes is a pin (which requires an alligator clip).  
The electrodes come with a cotton pad on the recording area.

**Packaging: box containing 5 pieces.**

| CODE                  | SIZE   | ELECTRODE END |                                                                                       |
|-----------------------|--------|---------------|---------------------------------------------------------------------------------------|
| <i><b>CUPT10C</b></i> | small  | pin           |   |
|                       |        |               |                                                                                       |
|                       |        |               |                                                                                       |
| <i><b>CUPT20C</b></i> | medium | pin           |  |
|                       |        |               |                                                                                       |
|                       |        |               |                                                                                       |
| <i><b>CUPT30C</b></i> | large  | pin           |  |
|                       |        |               |                                                                                       |
|                       |        |               |                                                                                       |

# BRIDGE ELECTRODES FOR TUBULAR ELASTIC EEG HEAD CAPS RECORDING AREA: Ø 10 mm **REUSABLE**

Suitable for tubular EEG head caps.  
The metallic part of the electrode is made of massive silver and coated in Ag/AgCl.  
A hole is drilled into the electrodes, so that they can receive a Ø 2.5 mm plug (see page 88).  
The electrodes come with a cotton pad on the recording area.

**Packaging: box containing 5 pieces.**

| CODE                  | SIZE   | ELECTRODE END |                                                                                       |
|-----------------------|--------|---------------|---------------------------------------------------------------------------------------|
| <i><b>CUPT12C</b></i> | small  | hole Ø 2.5 mm |   |
|                       |        |               |                                                                                       |
| <i><b>CUPT22C</b></i> | medium | hole Ø 2.5 mm |  |
|                       |        |               |                                                                                       |
| <i><b>CUPT32C</b></i> | large  | hole Ø 2.5 mm |  |
|                       |        |               |                                                                                       |

# BRIDGE ELECTRODES FOR EEG HEAD CAPS WITH REDUCED RECORDING AREA

## REUSABLE

Suitable for tubular EEG head caps.

The metallic part of the electrode is made of massive silver and coated in Ag/AgCl.

It is characterised by a reduced recording area.

A hole is drilled into the electrodes, so that they can receive a Ø 2.5 mm plug.

The electrodes come with a cotton pad on the recording area.

**Packaging: box containing 5 pieces.**

| CODE                  | SIZE    | ELECTRODE END |                                                                                       |
|-----------------------|---------|---------------|---------------------------------------------------------------------------------------|
| <i><b>CUPT47C</b></i> | small   | hole Ø 2.5 mm |   |
|                       |         |               |                                                                                       |
| <i><b>CUPT57C</b></i> | regular | hole Ø 2.5 mm |  |
|                       |         |               |                                                                                       |

# BRIDGE ELECTRODES

## FOR TUBULAR ELASTIC EEG HEAD CAPS

### RECORDING AREA: Ø 10 mm

#### REUSABLE

Suitable for tubular EEG head caps.

The metallic part of the electrode is made of massive silver and coated in Ag/AgCl.

The final part of these bridge electrodes is a pin (which requires an alligator clip).

The electrodes come with a cotton pad.

**Packaging: box containing 5 pieces.**

| CODE           | SIZE     | ELECTRODE END |
|----------------|----------|---------------|
| <b>CUPT23C</b> | one size | pin           |



## REPLACEMENT PADS

This pad replacement set contains all the items you will need when replacing used cotton pads on bridge electrodes.

| CODE           | SIZE     |
|----------------|----------|
| <b>CUPTKIT</b> | one size |

**Packaging: 1 kit**  
**made up of: 21 round cotton pads, 21 O-rings,**  
**and 1 tool for pad replacement.**



# EAR ELECTRODE

## REUSABLE

This electrode with elastic clamp must be placed on the ear lobe.  
The electrode is made up of a plastic body and an Ag/AgCl recording area.

**Packaging: box containing 1 piece.**

| CODE                     | DIAMETER | CABLE LENGTH | INSTRUMENT END               |
|--------------------------|----------|--------------|------------------------------|
| <b><i>EARPLD1-10</i></b> | 10 mm    | 1.0 m        | Ø 1.5 mm touchproof DIN42802 |



# CONNECTION CABLE WITH Ø 2.5 mm PLUG FOR EEG BRIDGE ELECTRODES

## REUSABLE

This cable is suitable for quick connection to the bridge electrodes with a Ø 2.5 mm hole.

**Packaging: box containing 1 piece.**

| CODE               | CABLE LENGTH | INSTRUMENT END |
|--------------------|--------------|----------------|
| <b>CUPL25P1-09</b> | 0.9 m        | Ø 2.5 mm plug  |
| <b>CUPL25P1-12</b> | 1.2 m        | Ø 2.5 mm plug  |



|                |                        |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
|----------------|------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| COLOUR: Yellow | More available colours |  |  |  |  |  |  |  |  |  |  |
|----------------|------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|

connection cable: extra-flexible antistatic TINSEL

CONNECTION

**electrode end:** Ø 2.5 mm inox male plug

**EEG box end:** Ø 1.5 mm touchproof DIN42802

# ALLIGATOR CLIP CONNECTION CABLE FOR EEG BRIDGE ELECTRODES

## REUSABLE

This cable is suitable for quick connection to the bridge electrodes with a pin.  
A plastic part located between cable and alligator clip makes the cable tangle-free.

**Packaging: box containing 1 piece.**

| CODE                    | CABLE LENGTH | ELECTRODE END  |
|-------------------------|--------------|----------------|
| <b><i>CUCDP1-09</i></b> | 0.9 m        | alligator clip |
| <b><i>CUCDP1-12</i></b> | 1.2 m        | alligator clip |



|                |                        |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
|----------------|------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| COLOUR: Yellow | More available colours |  |  |  |  |  |  |  |  |  |  |
|----------------|------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|

Connection cable: extra-flexible antistatic TINSEL

CONNECTION

**electrode end:** alligator clip

**EEG box end:** Ø 1.5 mm touchproof DIN42802

# KIT: 21 MARKED ALLIGATOR CLIP CABLES FOR EEG BRIDGE ELECTRODES

## REUSABLE

This kit of 21 cables makes plugging the electrodes into the EEG box much easier: each cable is marked on both ends with the name of each EEG electrode.

**Packaging: 1 kit.**

| CODE                    | CABLE LENGTH | The 21 cables are marked:                                                |
|-------------------------|--------------|--------------------------------------------------------------------------|
| <b><i>CUCDK1-10</i></b> | 1.0 m        | Fp1-F3-F7-C3-T3-P3-T5-O1<br>Fp2-F4-F8-C4-T4-P4-T6-O2<br>RIF-GND-Fz-Cz-Pz |



connection cable: extra-flexible antistatic TINSEL

CONNECTION

**electrode end:** alligator clip

**EEG box end:** Ø 1.5 mm touchproof DIN42802

# CONDUCTIVE ELECTRODE GEL

## **el<sub>gel</sub>**

### FOR PRE-ASSEMBLED HEAD CAPS

This high-viscosity gel is suitable for use with EEG pre-assembled head caps. Its distinctive highly conductive formulation allows for excellent both brief and long recording. This gel is suitable for EEG recording, evoked potentials recording, polygraphia, and electromyography.

**Packaging: box containing 33 bottles (250 ml each).**

| CODE                | CHARACTERISTICS    |
|---------------------|--------------------|
| <b><i>ELGEL</i></b> | electro-conductive |



# CONDUCTIVE ELECTRODE GEL FOR PRE-ASSEMBLED HEAD CAPS WITH PUMICE STONE

## el<sub>gel</sub>-P

This high-viscosity gel is suitable for use with EEG pre-assembled head caps. The presence of pumice stone makes it slightly abrasive. Its distinctive highly conductive formulation allows for excellent both brief and long recording. This gel is suitable for EEG recording, evoked potentials recording, polygraphia, and electromyography.

**Packaging: box containing 33 bottles (250 ml each).**

| CODE                  | CHARACTERISTICS                                  |
|-----------------------|--------------------------------------------------|
| <b><i>ELGEL-P</i></b> | electro-conductive, abrasive (with pumice stone) |



# ABRASIVE SKIN PREPPING GEL

**el<sub>gel</sub>-Skin**

This abrasive and degreasing skin gel enhances signal quality by lowering skin impedance. Not conductive.

**Packaging: 1 plastic jar (200 ml).**

| CODE                  | CHARACTERISTICS                      |
|-----------------------|--------------------------------------|
| <b><i>ELGEL-S</i></b> | not conductive, abrasive, degreasing |



## BLUNT NEEDLES

### DISPOSABLE

These disposable blunt needles are suitable for injecting the conductive gel into the holes of cup electrodes on pre-assembled EEG head caps. Also suitable for disc cup electrodes.

**Packaging: box containing 50 pieces.**

| CODE           | CANNULA          | TERMINATION |
|----------------|------------------|-------------|
| <b>CUAGS2L</b> | Ø 1.6 mm L=20 mm | Luer Lock   |



## BLUNT NEEDLES

### REUSABLE

These reusable metal blunt needles are suitable for injecting the conductive gel into the holes of cup electrodes on pre-assembled EEG head caps. Also suitable for disc cup electrodes.

**Packaging: box containing 12 pieces.**

| CODE           | CANNULA          | TERMINATION |
|----------------|------------------|-------------|
| <b>CUAGS2R</b> | Ø 1.6 mm L=22 mm | Luer Lock   |



# NEUROLOGY ACCESSORIES

## REUSABLE

### SPARE CHIN STRAP FOR PRE-ASSEMBLED HEAD CAPS

It is made up of a Velcro elastic strap and a soft chin-strap.

**Packaging: box containing 1 piece.**

| CODE         | SIZE  |  |
|--------------|-------|------------------------------------------------------------------------------------|
| <b>CUMTA</b> | adult |                                                                                    |
|              |       |                                                                                    |
| <b>CUMTB</b> | child |                                                                                    |
|              |       |                                                                                    |

### FIXATION STRAP

The fixation strap is made up of two adjustable Velcro elastic elements.

**Packaging: box containing 1 piece.**

| CODE         | SIZE     |  |
|--------------|----------|--------------------------------------------------------------------------------------|
| <b>CUFDA</b> | one size |                                                                                      |
|              |          |                                                                                      |

### SEMI-RIGID RUBBER CHIN-REST

**Packaging: box containing 1 piece.**

| CODE         | SIZE     |  |
|--------------|----------|--------------------------------------------------------------------------------------|
| <b>CUMGA</b> | one size |                                                                                      |
|              |          |                                                                                      |

# NEUROLOGY ACCESSORIES

## REUSABLE

### BODY HARNESS

This body harness can be used to fasten the head cap to the patient. It is an alternative to the standard chin strap.

It is made up of a chest strap and two adjustable straps.

**Packaging: box containing 1 kit.**

| CODE         | SIZE  |
|--------------|-------|
| <b>CUFTA</b> | adult |
|              |       |
| <b>CUFTB</b> | child |
|              |       |



### CLEANING SET

This set contains all the items you will need for cleaning the electrodes on pre-assembled head caps.

**Packaging: box containing 1 kit**

**made up of: 1 bottlebrush + 1 nailbrush.**

| CODE           | SIZE     |
|----------------|----------|
|                |          |
| <b>CUFFPUL</b> | one size |
|                |          |

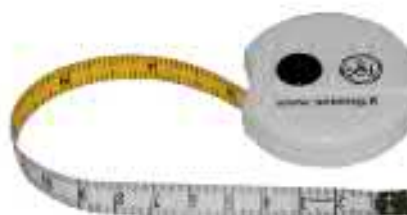


### SELF-RETRACTING TAPE MEASURE

Self-locking and self-retracting cloth tape measure.

**Packaging: box containing 1 piece.**

| CODE         | LENGTH |
|--------------|--------|
|              |        |
| <b>METRO</b> | 1.5 m  |
|              |        |



# EEG INTENSIVE CARE

THIS SECTION IS ABOUT INTENSIVE CARE/MRI  
EEG NEEDLE ELECTRODES

Monopolar needle electrodes with integrated cable (5 colours per pouch)

Monopolar needle electrodes with flat cable and straight shaft

Monopolar needle electrodes with flat cable and hook-shaped shaft

Monopolar needle electrodes for MRI

# 5 MONOPOLAR NEEDLE ELECTRODES WITH INTEGRATED CABLE DISPOSABLE

Monopolar needle electrodes with integrated connection cable and Ø 1.5 mm touchproof DIN42802 connector.

Each pouch contains 5 needle electrodes (one per colour).

**Packaging: 25 pieces**

**packed in 5 pouches containing 5 pieces each and sterilized by beta radiation.**

| CODE           | SHAFT<br>LENGTH | SHAFT<br>DIAMETER | CABLE LENGTH | CABLE COLOUR                                                                        |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|----------------|-----------------|-------------------|--------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| STRAIGHT SHAFT |                 |                   |              |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| MU15WC1F-10    | 15 mm           | 0.35 mm           | 1.0 m        |  |  |  |  |  |
|                |                 |                   |              | G                                                                                   | B                                                                                   | N                                                                                   | R                                                                                   | V                                                                                   |



# MONOPOLAR NEEDLE ELECTRODES WITH FLAT CABLE STRAIGHT SHAFT DISPOSABLE

Monopolar needle electrodes with multipolar flat cable and quick disconnect connector.

**Packaging: 5 pouches (containing 15 needle electrodes with straight shaft each)  
sterilized by beta radiation**

| CODE                  | SHAFT LENGTH | DIAMETER | CABLE LENGTH | Number of electrodes |
|-----------------------|--------------|----------|--------------|----------------------|
| <b>STRAIGHT SHAFT</b> |              |          |              |                      |
| <b>MUI5WC15-08</b>    | 15 mm        | 0.35 mm  | 0.8 m        | 15                   |



## INTERFACE CABLE

This interface cable (standard length 1.5 m) is suitable for quick connection to the needle electrode with multipolar flat cable.

**CODE CUMUDIS-15**

**Packaging: 1 piece.**

### CONNECTION

**Electrode end:** sub-D15 male connector

**EEG box end:** 15 cables marked following the extended INTERNATIONAL 10-20 system.  
Ø 1.5 mm touchproof DIN42802.

# MONOPOLAR NEEDLE ELECTRODES WITH FLAT CABLE HOOK-SHAPED SHAFT DISPOSABLE

Monopolar needle electrodes with multipolar flat cable and quick disconnect connector.

**Packaging: 5 pouches (containing 14 needle electrodes with hook-shaped shaft each)  
sterilized by beta radiation**

| CODE                     | SHAFT LENGTH | DIAMETER | CABLE LENGTH | Number of electrodes |
|--------------------------|--------------|----------|--------------|----------------------|
| <b>HOOK-SHAPED SHAFT</b> |              |          |              |                      |
| <b>MU15WCR3-05</b>       | 15 mm        | 0.35 mm  | 0.5 m        | 14                   |



## INTERFACE CABLE

This interface cable (standard length 0.5 m) is suitable for quick connection to the needle electrode with multipolar flat cable.

**CODE CUM01D1S-05**

**Packaging: 1 piece.**

### CONNECTION

**Electrode end:** sub-D15 male connector

**EEG box end:** 14 cables marked following the extended INTERNATIONAL 10-20 system.  
Ø 1.5 mm touchproof DIN42802.

# MONOPOLAR NEEDLE ELECTRODES FOR MRI DISPOSABLE

These monopolar needle electrodes with straight shaft and integrated connection cable are suitable for recording in environments with high magnetic flux densities, such as magnetic resonance imaging (MRI) rooms.

**Packaging: 25 pieces**

**packed in 5 pouches containing 5 pieces each  
sterilized by beta radiation**

| CODE           | SHAFT LENGTH | DIAMETER | CABLE LENGTH | PLUG COLOUR                                                                         |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|----------------|--------------|----------|--------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| STRAIGHT SHAFT |              |          |              |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| MU15WF1R-15    | 15 mm        | 0.25 mm  | 1.50 m       |  |  |  |  |  |



Connection cable: extra-flexible cable  
**instrument end:** Ø 1.5 mm touchproof DIN42802



# CONNECTION CABLES

THIS SECTION IS ABOUT THE CONNECTION CABLES  
USED TO CONNECT ELECTRODES  
AND NEEDLE ELECTRODES  
TO MEDICAL EQUIPMENT

*CNA2 series cables*

*CNU2 series cables*

*CNU1 series cables*

*CNU3 series cables*

*BOTT series cables*

*CUPL series cables*

*CUCD series cables*

*CNU4 series cables*

# CONNECTION CABLES

## REUSABLE

### CONNECTION CABLE FOR *GA* SERIES CONCENTRIC NEEDLE ELECTRODES

**Packaging:** box containing 1 piece.

| CODE                                                                                                                                                                        | CABLE LENGTH |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------------------------------------------------------------------------|
| <b>CNA2DIN-10</b>                                                                                                                                                           | 1.0 m        |                                                                                    |
| <b>CNA2DIN-15</b>                                                                                                                                                           | 1.5 m        |                                                                                    |
| <p>The connection cable for <i>GA series</i> needle electrodes is shielded, extraflexible, and grey.</p> <p>CONNECTION<br/> <b>Electromyograph end:</b> 5 pole DIN 240°</p> |              |                                                                                    |

### CONNECTION CABLE FOR *GU* SERIES CONCENTRIC NEEDLE ELECTRODES

**Packaging:** box containing 1 piece.

| CODE                                                                                                                                                                        | CABLE LENGTH |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------------------------------------------------------------------------|
| <b>CNU2DIN-10</b>                                                                                                                                                           | 1.0 m        |                                                                                      |
| <b>CNU2DIN-15</b>                                                                                                                                                           | 1.5 m        |                                                                                      |
| <p>The connection cable for <i>GU series</i> needle electrodes is shielded, extraflexible, and grey.</p> <p>CONNECTION<br/> <b>Electromyograph end:</b> 5 pole DIN 240°</p> |              |                                                                                      |

# CONNECTION CABLES

## REUSABLE

### CONNECTION CABLE FOR *DISPOSABLE MONOPOLAR NEEDLE ELECTRODES WITH PIN CONNECTION*

**Packaging: box containing 1 piece.**

| CODE                                                                                              | CABLE LENGTH |  |
|---------------------------------------------------------------------------------------------------|--------------|------------------------------------------------------------------------------------|
| CNU1JP1-10                                                                                        | 1.0 m        |  |
| CNU1JP1-15                                                                                        | 1.5 m        |                                                                                    |
| Connection cable: extra-flexible TINSEL                                                           |              |                                                                                    |
| CONNECTION<br>needle electrode end: 0.5 mm female<br>instrument end: Ø 1.5 mm touchproof DIN42802 |              |                                                                                    |
|                                                                                                   |              | COLOUR: Yellow.<br>Customized colours: see above.                                  |

### CONNECTION CABLE FOR *DISPOSABLE MONOPOLAR NEEDLE ELECTRODES WITH 8-CM LEAD WIRE*

**Packaging: box containing 1 piece.**

| CODE                                                                                                                                                           | CABLE LENGTH |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------------------------------------------------------------------------|
| <b>CNU1KPI-10</b>                                                                                                                                              | 1.0 m        |                                                                                      |
| <b>CNU1KPI-15</b>                                                                                                                                              | 1.5 m        |                                                                                      |
| Connection cable: extra-flexible TINSEL<br><br>CONNECTION<br><b>needle electrode end:</b> 1.0 mm female<br><b>instrument end:</b> Ø 1.5 mm touchproof DIN42802 |              |                                                                                      |
|                                                                                                                                                                |              |  |
|                                                                                                                                                                |              | COLOUR: Yellow.<br>Customized colours: see above.                                    |

# CONNECTION CABLES

## REUSABLE

### CONNECTION CABLE FOR *DISPOSABLE WIRE ELECTRODES*

**Packaging: box containing 1 piece.**

| CODE              | CABLE LENGTH |
|-------------------|--------------|
| <b>CNU3FDN-15</b> | 1.5 m        |
| <b>CNU3FDN-20</b> | 2.0 m        |

Connection cable: extra-flexible, shielded.

**CONNECTION**  
**needle electrode end:** micro alligator clip  
**instrument end:** 5 pole DIN 240°



### CONNECTION CABLE FOR *MONOPOLAR ELECTRODES*

**Packaging: box containing 1 piece.**

| CODE              | CABLE LENGTH |
|-------------------|--------------|
| <b>CNU3KDN-15</b> | 1.5 m        |
| <b>CNU3KDN-20</b> | 2.0 m        |

Connection cable: extra-flexible, shielded.

CONNECTION

**needle electrode end:** 1.0 mm female

**instrument end:** 5 pole DIN 240°



# CONNECTION CABLES

## REUSABLE

### CONNECTION CABLE FOR *SELF-ADHESIVE SNAP ROUND ELECTRODES*

Packaging: box containing 1 piece.

| CODE                                                                                                     | CABLE LENGTH |  |
|----------------------------------------------------------------------------------------------------------|--------------|------------------------------------------------------------------------------------|
| <b>BOTT4DI-12</b>                                                                                        | 1.2 m        |  |
| <b>BOTT4DI-15</b>                                                                                        | 1.5 m        |                                                                                    |
| Connection cable: extra-flexible TINSEL                                                                  |              |                                                                                    |
| CONNECTION<br><b>electrode end:</b> 4.0 mm female<br><b>instrument end:</b> Ø 1.5 mm touchproof DIN42802 |              |                                                                                    |
|                                                                                                          |              | COLOUR: Green.<br>Customized colours: see above.                                   |

### CONNECTION CABLE FOR *EEG BRIDGE ELECTRODES*

Packaging: box containing 1 piece.

| CODE                                                                                                          | CABLE LENGTH |   |
|---------------------------------------------------------------------------------------------------------------|--------------|---------------------------------------------------------------------------------------|
| <b>CUPL25PI-09</b>                                                                                            | 0.9 m        |  |
| <b>CUPL25PI-12</b>                                                                                            | 1.2 m        |                                                                                       |
| connection cable: extra-flexible antistatic TINSEL                                                            |              |                                                                                       |
| CONNECTION<br><b>electrode end:</b> 2.5 mm inox male plug<br><b>EEG box end:</b> Ø 1.5 mm touchproof DIN42802 |              |                                                                                       |
|                                                                                                               |              | COLOUR: Yellow.<br>Customized colours: see above.                                     |

# CONNECTION CABLES

## REUSABLE

### PLUG TO PLUG CONNECTING LEAD

**Packaging: box containing 1 piece.**

| CODE                                                                                                                                                   | AVAILABLE COLOURS                                                                                                                                                                                                                                     |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| <b>CUPLSSI</b>                                                                                                                                         |    |                                                                                    |
| 150-mm long plug to plug connecting lead with stackable jumpers.<br>This cable makes it possible to link up several inputs of one single preamplifier. |                                                                                                                                                                                                                                                       |                                                                                    |
| <b>CONNECTION</b><br>stackable Ø 1.5 mm touchproof DIN42802 male/female                                                                                |                                                                                                                                                                                                                                                       |                                                                                    |

### ALLIGATOR CLIP CONNECTION CABLE

**Packaging: box containing 1 piece.**

| CODE                                                                                                                                                             | CABLE LENGTH |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------------------------------------------------------------------------|
| <b>CUCDPI-09</b>                                                                                                                                                 | 0.9 m        |  |
| <b>CUCDPI-12</b>                                                                                                                                                 | 1.2 m        |                                                                                      |
| Connection cable: extra-flexible antistatic TINSEL<br><br>CONNECTION<br><b>electrode end:</b> alligator clip<br><b>EEG box end:</b> Ø 1.5 mm touchproof DIN42802 |              |                                                                                      |
|                                                                                                                                                                  |              | COLOUR: Yellow.<br>Customized colours: see above.                                    |

# CONNECTION CABLES

## REUSABLE

### CONNECTION CABLE WITH TWO ALLIGATOR CLIPS

**Packaging: box containing 1 piece.**

|                                                                                   |              |                                                                                     |
|-----------------------------------------------------------------------------------|--------------|-------------------------------------------------------------------------------------|
| CODE                                                                              | CABLE LENGTH |  |
| CNU3CDN-15                                                                        | 1.5 m        |                                                                                     |
| Connection cable: shielded, extraflexible                                         |              |                                                                                     |
| CONNECTION<br>electrode end: 2 alligator clips<br>instrument end: 5 pole DIN 240° |              |                                                                                     |

### CONNECTION CABLE WITH THREE ALLIGATOR CLIPS

**Packaging: box containing 1 piece.**

|                                                                                   |              |                                                                                      |
|-----------------------------------------------------------------------------------|--------------|--------------------------------------------------------------------------------------|
| CODE                                                                              | CABLE LENGTH |  |
| CNU4CDN-15                                                                        | 1.5 m        |                                                                                      |
| Connection cable: shielded, extraflexible                                         |              |                                                                                      |
| CONNECTION<br>electrode end: 3 alligator clips<br>instrument end: 5 pole DIN 240° |              |                                                                                      |

# CONNECTION CABLES

## REUSABLE

### CONNECTION CABLE WITH TWO SNAP CONNECTORS

Packaging: box containing 1 piece.

|                                                                                           |              |                                                                                    |
|-------------------------------------------------------------------------------------------|--------------|------------------------------------------------------------------------------------|
| CODE                                                                                      | CABLE LENGTH |  |
| CNU3BDN-15                                                                                | 1,5 m        |                                                                                    |
| Connection cable: shielded, extraflexible                                                 |              |                                                                                    |
| CONNECTION<br>electrode end: 2 snaps (female, Ø 4 mm).<br>instrument end: 5 pole DIN 240° |              |                                                                                    |

### CONNECTION CABLE WITH THREE SNAP CONNECTORS

Packaging: box containing 1 piece.

|                                                                                           |              |                                                                                      |
|-------------------------------------------------------------------------------------------|--------------|--------------------------------------------------------------------------------------|
| CODE                                                                                      | CABLE LENGTH |  |
| CNU4BDN-15                                                                                | 1.5 m        |                                                                                      |
| Connection cable: shielded, extraflexible                                                 |              |                                                                                      |
| CONNECTION<br>electrode end: 3 snaps (female, Ø 4 mm).<br>instrument end: 5 pole DIN 240° |              |                                                                                      |

# A NOTE ABOUT REUSABLE MEDICAL DEVICES

Reusable and resterilizable medical devices must be treated after use (in accordance with the instructions for use supplied with the product). This is very important in order to safeguard patient's and medical staff's health by preventing possible infection from spreading.

The maintenance of these devices thus includes cleaning, disinfection, and sterilization.

**Cleaning:** the electrodes can usually be cleaned with alcohol or washed with a neutral detergent.

**Disinfection:** hospital liquid disinfectant may be used. It is always advisable, however, to test the resistance of the material the medical device is made of.

**Sterilization:** we recommend sterilization by ethylene-oxide. Autoclave steam treatment may be used, but only to sterilize medical devices explicitly described as suitable for this type of sterilization.

As sterilization of medical devices is a *special process*, it is essential that the device be sterilized **following the validated procedure**.

**The company declines any liability in case of non-sterility of re-sterilized products.  
The responsibility for reuse of the medical device rests entirely with the user.**

During the above-mentioned operations avoid immersing electrical contacts in liquids, as they may corrode or short-circuit adjacent contacts.

The medical staff must also make sure that the reusable medical device is free from any visible signs of mechanical and/or electrical deterioration.

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## CERTIFICATO CE

Certificato n. 121/MDD

### Dichiarazione di approvazione del sistema qualità

(Garanzia di qualità della produzione)

Visto l'esito delle verifiche condotte in conformità all'Allegato V della direttiva 93/42/CEE e s.m.i., si dichiara che la ditta:

#### SEI EMG SRL

35013 CITTADELLA (PD) - VIA SANTA CHIARA 12/1 (ITA) - Italy

mantiene nello stabilimento di:

35013 CITTADELLA (PD) - VIA SANTA CHIARA 10 (ITA) - Italy

un sistema qualità che assicura la conformità dei seguenti prodotti:

**Agoelettrodi concentrici monouso per emg**

**Agoelettrodi monopolari monouso per emg e eeg**

**Agoelettrodi monopolari riutilizzabili per emg, eeg e e.p**

**Agoelettrodi monouso per iniezione tossina botulinica**

**Elettrodi monouso a filo per emg**

Modd. come da documento "ALLEGATO LISTA CODICI DISPOSITIVI CLASSE IIA rev. 00 del 06/04/2020";  
valido solo se provvisto di timbro IMQ.

ai requisiti essenziali ad essi applicabili della direttiva suddetta (in tutte le fasi della fabbricazione) ed è sottoposta alla sorveglianza prevista dal punto 4 dell'All. V. Per i dispositivi di Classe IIb, questo certificato è valido solamente con il relativo certificato di Allegato III.

Riferimento pratiche IMQ:

10A9800252; 10A9800253; 10AA00181; 10AA00182; 10AA00183; 10AA00184; 10AB0007; 10AD00152;  
10EK00019; COMEDCONMHDM120074952-01; DM13A0133601-01; DM15E0387553-01; DM16-0000436;  
DM19-0042884-01.

**Questa Dichiarazione di approvazione è rilasciata dall'IMQ S.p.A. quale organismo notificato per la direttiva 93/42/CEE e s.m.i. Il numero identificativo dell'IMQ S.p.A. quale organismo notificato è: 0051.**

Emesso il: 1998-11-02  
Data aggiornamento: 2020-04-23  
Sostituisce: 2016-10-11  
Data scadenza: 2024-05-26

  
IMQ



## EC CERTIFICATE

Certificate No 121/MDD

### Production Quality Assurance System Approval Certificate

On the basis of our assessment carried out according to Annex V of the Directive 93/42/EEC and its revised version, we hereby certify that:

#### SEI EMG SRL

35013 CITTADELLA (PD) - VIA SANTA CHIARA 12/1 (ITA) - Italy

manages in the factory of:

35013 CITTADELLA (PD) - VIA SANTA CHIARA 10 (ITA) - Italy

a quality assurance system ensuring the conformity of the following products:

**Single-use concentric electrode-needles for emg**

**Single-use monopolar for emg and eeg**

**Reusable monopolar electrode needle for emg, eeg and e.p**

**Single-use electrode needle for injection of botulinic toxine**

**Single-use filament electrodes for emg**

Type ref. as to document "ALLEGATO LISTA CODICI DISPOSITIVI CLASSE IIA rev. 00 dated 06/04/2020";  
valid only if provided with IMQ stamp.

with relevant essential requirements of the aforementioned directive (as far as all the manufacturing stage is concerned) and it is subject to surveillance as specified in section 4 of Annex V. For class IIb devices, this certificate is valid only with the relevant certificate of Annex III.

Reference to IMQ files Nos:

10A9800252; 10A9800253; 10AA00181; 10AA00182; 10AA00183; 10AA00184; 10AB0007; 10AD00152;  
10EK00019; COMEDCONMHDM120074952-01; DM13A0133601-01; DM15E0387553-01; DM16-0000436;  
DM19-0042884-01.

**This Approval Certificate is issued by IMQ S.p.A. as Notified Body for the Directive 93/42/EEC and its revised version. Notified Body notified to European Commission under number: 0051.**

Date: 1998-11-02  
Updated: 2020-04-23  
Substitution Date: 2016-10-11  
Expiry Date: 2024-05-26

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| <b>SEIEMG srl</b>                                     | <b>PROGRAMMA DI ASSICURAZIONE QUALITÀ<br/>ALLEGATO</b> |                 |
| <b>ALLEGATO – LISTA CODICI DISPOSITIVI CLASSE IIA</b> |                                                        | <b>TF_000LC</b> |
| <b>Revisione: 00    Data: 06/04/2020</b>              |                                                        |                 |

La seguente tabella raccoglie la lista dei codici relativi ai dispositivi medici in classe IIa sottoposti a sorveglianza da parte dell'Ente Notificato CE0051 IMQ spa.

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| Categoria di Prodotto: | <b>Agoelettrodi concentrici monouso per EMG serie GA... GU...</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Codici :               | <p><b>GAxxxxyz</b></p> <p><b>GA</b> = sigla fissa identificativa (agoelettrodo concentico uscita assiale)<br/> <b>xxx</b> = Lunghezza della cannula da 20 a 150millimetri<br/> <b>y</b> = Codifica del diametro della cannula ( <b>A</b>=0,45; <b>B</b>=0,50; <b>C</b>=0,35; <b>D</b>=0,70; <b>E</b>=0,40 <b>F</b>=0,30)<br/> <b>zz</b> =nucleo esplorante (77=nucleo in Nickel Cromo, 31=nucleo platinato, <b>1L</b>= uscita laterale SFEMG)</p> <p><b>GUxxxxyz-II</b></p> <p><b>GU</b> = sigla fissa identificativa (agoelettrodo concentico uscita laterale)<br/> <b>xxx</b> = Lunghezza della cannula da 20 a 150millimetri<br/> <b>y</b> = Codifica del diametro della cannula ( <b>A</b>=0,45; <b>B</b>=0,50; <b>C</b>=0,35; <b>D</b>=0,70; <b>E</b>=0,40 <b>F</b>=0,30)<br/> <b>zz</b> = nucleo esplorante (77=nucleo in Acciaio, 31=nucleo platinato)<br/> <b>-II</b>= lunghezza del cavo di connessione in decimetri per ago non sganciabile (massimo 3 metri)</p> |

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| Categoria di Prodotto: | <b>Agoelettrodi monopolari monouso per EMG EEG e EP serie MU... e 42...</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Codici :               | <p><b>MUxxxxttypz-ll</b></p> <p><b>MU</b> = Elettrodo monopolare monouso ( sigla fissa )<br/> <b>xxx</b> = Lunghezza dello stelo espressa in millimetri (diametro spirale per tipologia R) da 10mm a 150mm<br/> <b>tt</b> = Carattere/i identificativo della tipologia</p> <div style="display: flex; justify-content: space-between;"> <span>(S=stelo dritto</span> <span>T= stelo dritto teflonato</span> </div> <div style="display: flex; justify-content: space-between;"> <span>U=stelo ad uncino</span> <span>R=stelo ritorto a spirale</span> </div> <div style="display: flex; justify-content: space-between;"> <span>F=stelo dritto con filo corto</span> <span>G=stelo uncino con filo corto</span> </div> <p><b>W</b>=stelo dritto con cavo/i e connettore<br/> <b>WC</b>= Codifica riservata a cavi piatti multivie<br/> <b>X</b>=stelo ad uncino con cavo e connettore)<br/> <b>Hn</b>=con n steli dritti con n cavi ritorti e connettori<br/> <b>A</b>=2 steli dritti accoppiati con cavi doppi ritorti e connettori )</p> <p><b>ll</b>= lunghezza del cavo di connessione in decimetri per ago non sganciabile (massimo 3 metri)</p> <p><i>per tipologia S T U F G:</i></p> <p><b>yz</b> = Diametro dello stelo espresso in centesimi di millimetro (da 0,15mm a 2,00mm)</p> <p><i>per tipologia W X H A:</i></p> <p><b>v</b> = Codifica diametro stelo (<b>C</b>=0,35mm <b>F</b>=0,25mm <b>D</b>=0,60)</p> |



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|----------------------|-------------------------|--------------------------------------------|
| <b>SEIEMG srl</b>    | <b>TF_000LC</b>         | <b>LISTA CODICI DISPOSITIVI CLASSE IIa</b> |
| <b>Revisione: 00</b> | <b>Data: 06/04/2020</b> | <b>Pag. 2 di 2</b>                         |

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|  | <p>z = Codifica plug terminale (1=sicurezza 2=plug)<br/>il cavo schermato viene indicato con SC</p> <p><b>42-xxxx</b></p> <p>42 = Elettrodo monopolare monouso per Dr.Langer (sigla fissa)<br/>xxxx= identificativo numerico da 0047 a 0065</p> |
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| Categoria di Prodotto: | <b>Agoelettrodi monopolari riusabili per EMG EEG e EP serie M...</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Codici :               | <p><b>Mxxxtyybz-ll</b></p> <p>M = Elettrodo monopolare riusabile ( sigla fissa )<br/>xxx = Lunghezza dello stelo espressa in millimetri da 10mm a 150mm<br/>t = Carattere identificativo della tipologia (S=stelo dritto U=stelo ad uncino )<br/>yy = Diametro dello stelo espresso in centesimi di millimetro (da 0,15mm a 2,00mm)<br/>b = codifica cavo o attacco (P=PVC S=Silicone J=pin 0,5mm K=pin 1mm)<br/>z =Cifra indicante il tipo di plug terminale (1=femmina di sicurezza da 1,5mm 2=plug)<br/>ll= lunghezza del cavo di connessione se presente (massimo 3 metri)</p> |

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| Categoria di Prodotto: | <b>Agoelettrodi monouso per iniezione tossina botulinica serie ATF...</b>                                                                                                                                                                                                                                                                                |
| Codici :               | <p><b>ATFxxxxy-ll</b></p> <p>ATF = Elettrodo monouso per iniezione tossina botulinica ( sigla fissa )<br/>xxx = Lunghezza della cannula espressa in millimetri da 25mm a 200mm<br/>y = Codifica diametro cannula ( A=0,45mm; B=0,50; C=0,35; D=0,70; E=0,40; F=0,30; G=1.00)<br/>ll= lunghezza del cavo di connessione se presente (massimo 3 metri)</p> |

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| Categoria di Prodotto: | <b>Agoelettrodi monouso a filo per EMG serie FU...</b>                                                                                                                                                                                                                                          |
| Codici :               | <p><b>FUxxxzz</b></p> <p>FU = Elettrodo monouso a filo ( sigla fissa )<br/>xx = Lunghezza della cannula espressa in millimetri da 25mm a 99mm<br/>y = Codifica numero fili interni (M=2 fili S=1 filo)<br/>zz=Codifica tipo filo(20=Nickel-Cromo 77=acciaio inox 21=Nickel e puntalino 1mm)</p> |

