



Product Catalogue

Welcome to GVB-SPES



Our company philosophy comprises the wish and the quest for a lasting partnership with our customers, based on:

- Reliability, flexibility, friendliness and competence
- the contentment of our customers is at the center of our business
- Respect and esteem is what we give to our customers everytime

your Team
GVB-SPES

Corporate

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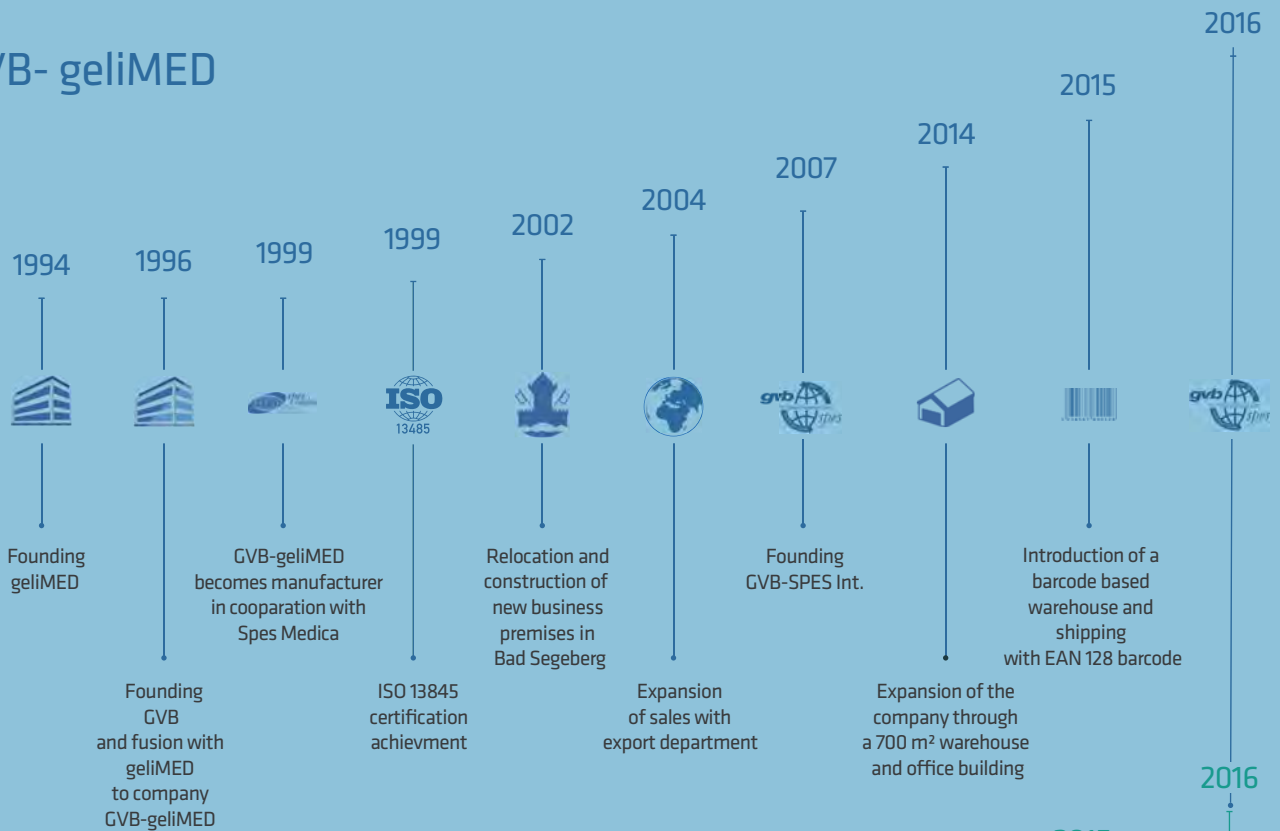
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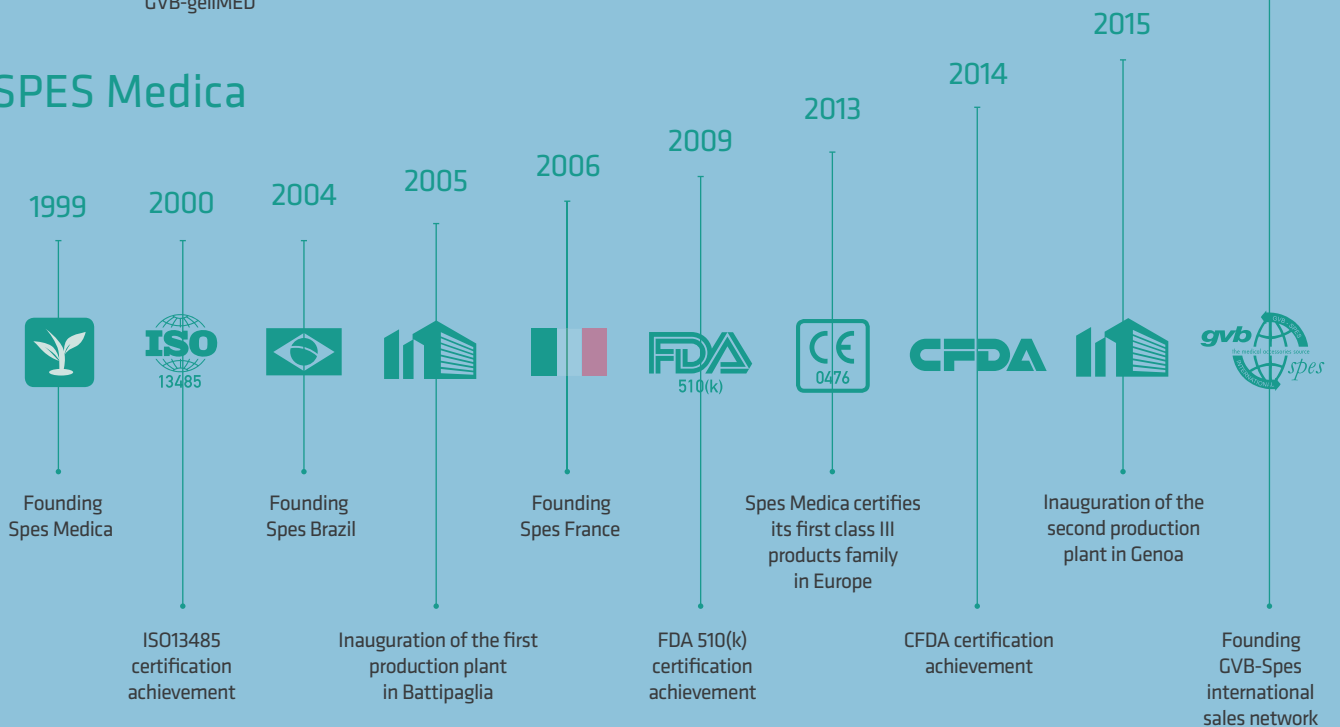


Welcome to GVB-SPES

GVB- geliMED



SPES Medica





Mission

Our goals

The new and further development of high-quality products in collaboration with our partner SPES Medica, continuous improvement and respect for the patients are the key concepts of our way too a global reference company in the medical field.

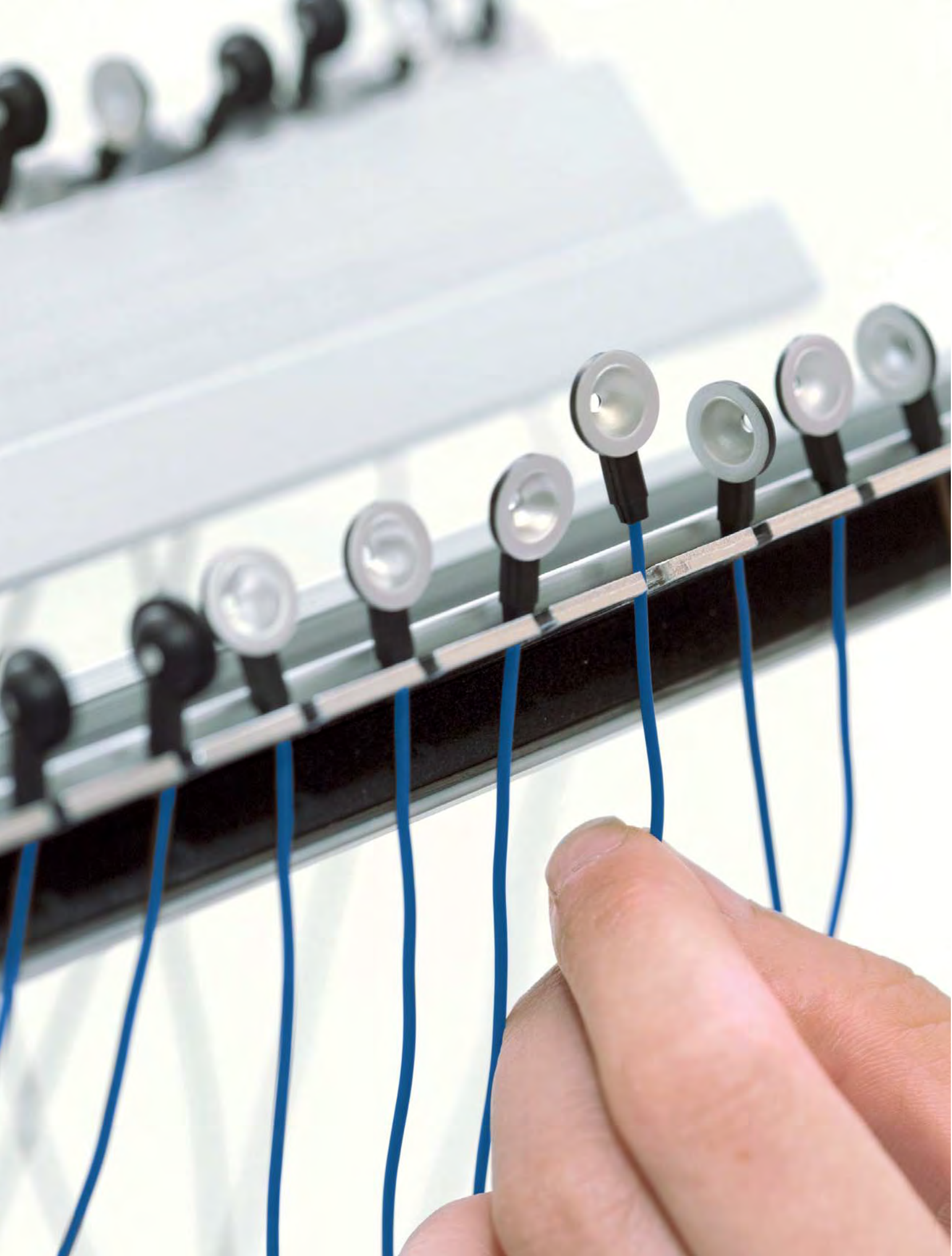


Research and Development

High Tech Design

The R&D team of our Partner, made up of qualified professionals, design and produce forefront medical devices by using the latest generation technology.

The intense and tireless research activity, strengthened by the experience of more than 20 years of production, characterizes our working method.



Creating high quality products

The full range of Spes Medica products are manufactured at their plants in Italy. Spes Medica and GVB-SPES are committed to act fully in accordance with all required rules and quality standards for medical products. As a customer satisfaction guarantee we are certified for the Quality Management System according to ISO 13485 and 93/42/EEC. Our products are registered with CE, FDA, CFDA, Anvisa and many other international organizations.



Quality Management System



European Conformity



Food and Drugs Administration USA



China Food and Drugs Administration



Agência Nacional de Vigilância Sanitária



Instituto Nacional de Medicamentos y Alimentos



U.S.A

South America

Brazil

United Kingdom

France

Spain

BeNeLux

Scandinavia

Germany

Italy

Israel

South Africa



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With our selection of MultiCaps you get the greatest possible flexibility in the number and positioning of the electrodes. Choose this convenient application for you and your patients.

- MultiCap Flat
- MultiCap Doc
- MultiCap Cup
- MultiCap Soft
- MultiCap Base
- MultiCap MRI
- MultiCap TES
- MultiCap Accessories

EEG / MultiCaps



because, as well as being easy to position, you can quickly react to artefacts during use by simply relocating the electrode holder/positions.



because you have the choice of 11 sizes between 24 and 66 cm and one with up to 128 electrodes which can be placed individually.



because for different Cap sizes you need only one electrode queue.



because you can use MultiCap in long-term sleep-recording, in the routine, as well as with restless patients and in research.



because a wide range of accessories are also available.



because the cap material allows for immediate use for the next measurement after a short but thorough clean.

Material

The electrodes on our headcaps are made of:



Tin

Sn



Silver/Silver Chloride

Ag /AgCl



Sintered Silver/Silver Chloride

Sintered Ag/AgCl



Gold

Au

Connectors

We offer a wide range of connectors. Please find below the standard versions:



Touch Proof
DIN 42802



Sub-D 25



Sub-D 37



Further configurations are available according to your needs.

Cables

GVB-SPES provides two different cable configurations:

Twisted cables



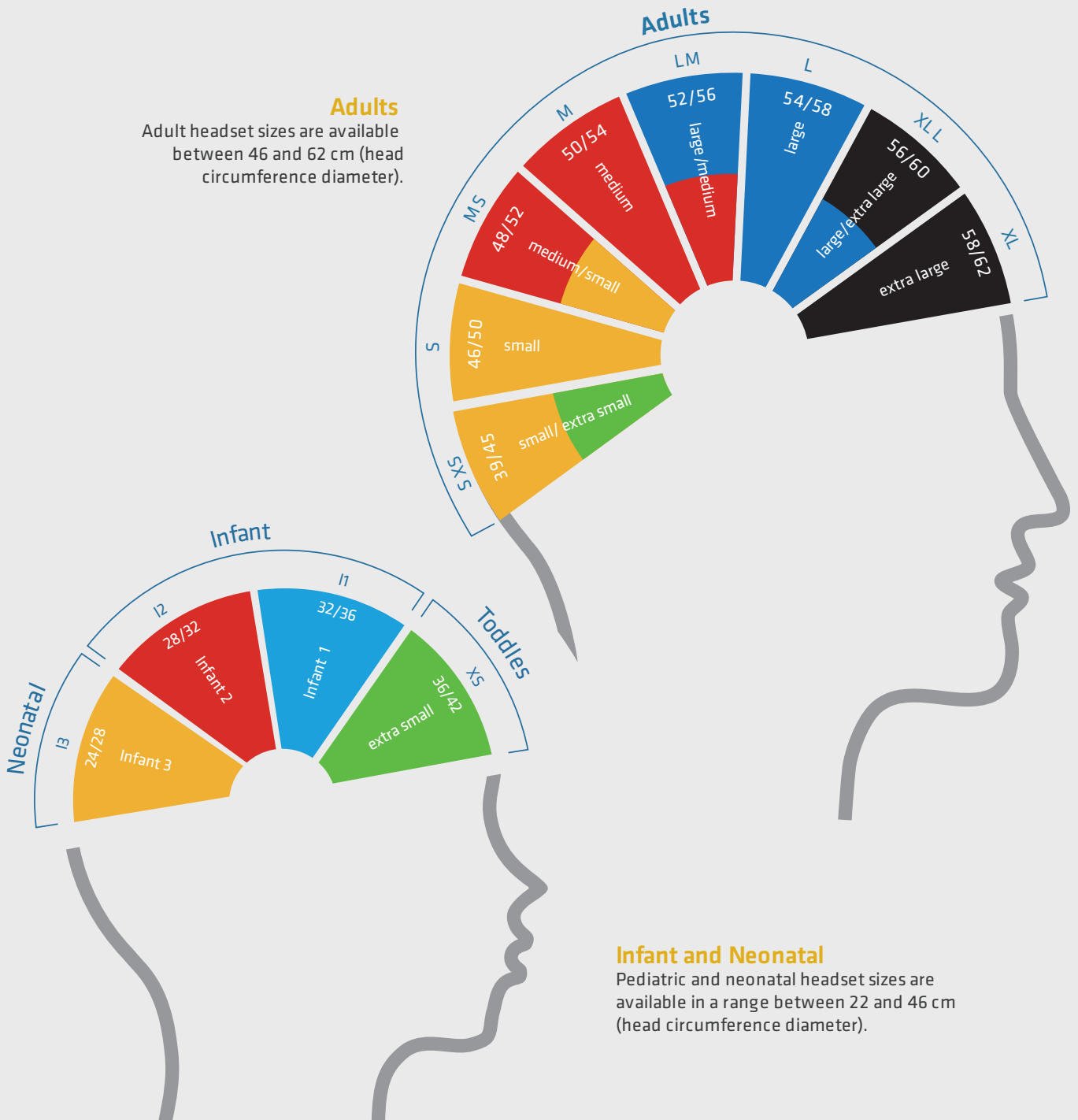
Single cables



MultiCap Sizes / EEG

MultiCap Sizes

We offer numerous headset sizes depending on your patients needs.



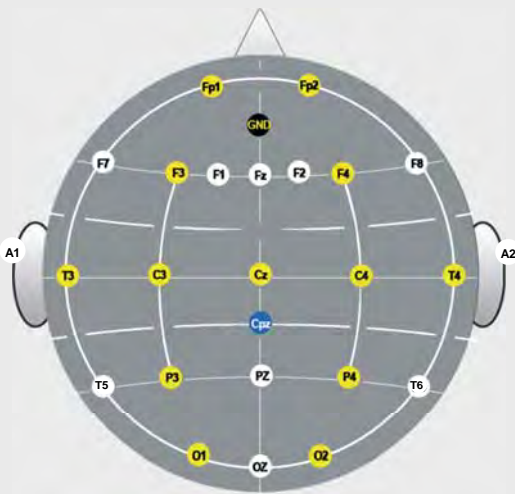
Placement systems MultiCap / EEG

International 10-20 System

The electrode positions of all MultiCaps are made in accordance with the International 10-20 System. GVB-SPEs offers the possibility to customize the electrode layout up to a 128-channel application.

14 Electrodes Scheme

Cap Size: XL, XLL, L, LM, M, MS, S, XS



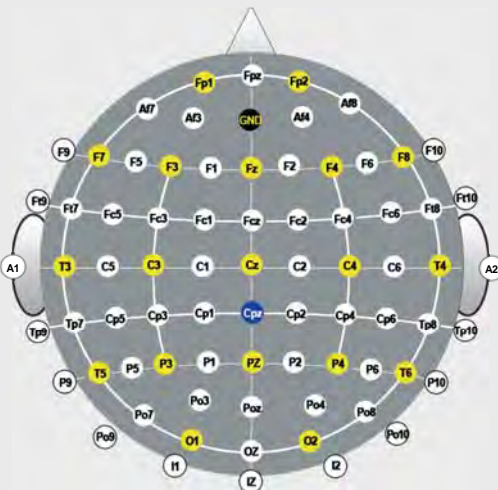
21 Electrodes Scheme

Cap Size: XL, XLL, L, LM, M, MS, S, XS



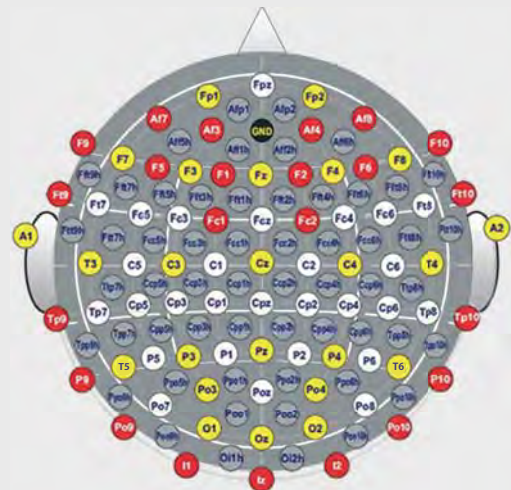
74 Electrodes Scheme

Cap Size: XL, XLL, L, LM, M, MS, S



128 Electrodes Scheme

Cap Size: XL, XLL, L, LM, M



EEG / Headcaps with Prewired Electrodes

MultiCap FLAT - for long-term application

MCScap Sleep



External Electrode Detail



Electrode Detail



Sintered Ag/AgCl













Headcaps with Prewired Electrodes / EEG



Multicap FLAT

MCScap Sleep

Adult Infant








| Code 20 Electrodes | Code 21 Electrodes | Head Circumference | Connectors | Pack |
|--------------------|--------------------|--------------------|---|------|
| MF-XL20-00KK25-A | MF-XL21-00KK25-A | XL 60-66 cm ● |  | 1 pc |
| MF-XLL20-00KK25-A | MF-XLL21-00KK25-A | XLL 57-63 cm ●● |  | 1 pc |
| MF-L20-00KK25-A | MF-L21-00KK25-A | L 54-60 cm ● |  | 1 pc |
| MF-LM20-00KK25-A | MF-LM21-00KK25-A | LM 51-57 cm ●● |  | 1 pc |
| MF-M20-00KK25-A | MF-M21-00KK25-A | M 48-54 cm ● |  | 1 pc |
| MF-MS20-00KK25-A | MF-MS21-00KK25-A | MS 45-51 cm ●● |  | 1 pc |
| MF-S20-00KK25-A | MF-S21-00KK25-A | S 42-48 cm ● |  | 1 pc |
| MF-SXS20-00KK25-A | MF-SXS21-00KK25-A | SXS 39-45 cm ●● |  | 1 pc |
| MF-XS20-00KK25-A | MF-XS21-00KK25-A | XS 36-42 cm ● |  | 1 pc |

| Code 20 Electrodes | Code 21 Electrodes | Head Circumference | Connectors | Pack |
|--------------------|--------------------|--------------------|---|------|
| MFI-1-20-00KK25-A | MFI-1-21-00KK25-A | I1 32-36 cm ● |  | 1 pc |

| Code 14 Electrodes | Code 15 Electrodes | Head Circumference | Connectors | Pack |
|--------------------|--------------------|--------------------|---|------|
| MFI-2-14-00KK25-A | MFI-2-15-00KK25-A | I2 28-32 cm ● |  | 1 pc |
| MFI-3-14-00KK25-A | MFI-3-15-00KK25-A | I3 24-28 cm ● |  | 1 pc |

Caps with more or less electrodes on request.

Electrodes for MultiCap FLAT

| Code | Description | Length | Connectors | Pack |
|-------------------|---|--------|---|-------|
| MF-17-A-26-S15 | Single electrode with 1,5mm Din plug | 150 cm |  | 5 pcs |
| MF-17-A-10250-S15 | Electrode queue with 10 sintered Ag/AgCl electrodes | 150 cm |  | 1 pc |
| MF-17-A-11250-S15 | Electrode queue with 11 sintered Ag/AgCl electrodes | 150 cm |  | 1 pc |
| MF-17-A-14250-S15 | Electrode queue with 14 sintered Ag/AgCl electrodes | 150 cm |  | 1 pc |
| MF-17-A-15250-S15 | Electrode queue with 15 sintered Ag/AgCl electrodes | 150 cm |  | 1 pc |
| MF-17-A-20250-S15 | Electrode queue with 20 sintered Ag/AgCl electrodes | 150 cm |  | 1 pc |
| MF-17-A-21250-S15 | Electrode queue with 21 sintered Ag/AgCl electrodes | 150 cm |  | 1 pc |



Other connector types on request.













Headcaps with Prewired Electrodes / EEG

MultiCap DOC

MCScap Clinic








A
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| Code 20 Electrodes | Code 21 Electrodes | Head Circumference | Connectors | Pack |
|--------------------|--------------------|--------------------|---|------|
| MD-XL20-00KK25-C | MD-XL21-00KK25-C | XL 60-66 cm ● |  | 1 pc |
| MD-XLL20-00KK25-C | MD-XLL21-00KK25-C | XLL 57-63 cm ●● |  | 1 pc |
| MD-L20-00KK25-C | MD-L21-00KK25-C | L 54-60 cm ● |  | 1 pc |
| MD-LM20-00KK25-C | MD-LM21-00KK25-C | LM 51-57 cm ●● |  | 1 pc |
| MD-M20-00KK25-C | MD-M21-00KK25-C | M 48-54 cm ● |  | 1 pc |
| MD-MS20-00KK25-C | MD-MS21-00KK25-C | MS 45-51 cm ●● |  | 1 pc |
| MD-S20-00KK25-C | MD-S21-00KK25-C | S 42-48 cm ● |  | 1 pc |
| MD-SXS20-00KK25-C | MD-SXS21-00KK25-C | SXS 39-45 cm ●● |  | 1 pc |
| MD-XS20-00KK25-C | MD-XS21-00KK25-C | XS 36-42 cm ● |  | 1 pc |
| Code 20 Electrodes | Code 21 Electrodes | Head Circumference | Connectors | Pack |
| MDI-1-20-00KK25-C | MDI-1-21-00KK25-C | I1 32-36 cm ● |  | 1 pc |
| Code 14 Electrodes | Code 15 Electrodes | Head Circumference | Connectors | Pack |
| MDI-2-14-00KK25-C | MDI-2-15-00KK25-C | I2 28-32 cm ● |  | 1 pc |
| MDI-3-14-00KK25-C | MDI-3-15-00KK25-C | I3 24-28 cm ● |  | 1 pc |

Caps with more or less electrodes on request.

Electrodes for MultiCap DOC

| Code | Description | Length | Connector | Pack |
|-------------------|--|--------|---|-------|
| MD-17-C-26-S15 | Single Ag/AgCl electrode with 1,5mm Din plug | 150 cm |  | 5 pcs |
| MD-17-C-10250-S15 | Electrode queue with 10 Ag/AgCl electrodes | 150 cm |  | 1 pc |
| MD-17-C-11250-S15 | Electrode queue with 11 Ag/AgCl electrodes | 150 cm |  | 1 pc |
| MD-17-C-14250-S15 | Electrode queue with 14 Ag/AgCl electrodes | 150 cm |  | 1 pc |
| MD-17-C-15250-S15 | Electrode queue with 15 Ag/AgCl electrodes | 150 cm |  | 1 pc |
| MD-17-C-20250-S15 | Electrode queue with 20 Ag/AgCl electrodes | 150 cm |  | 1 pc |
| MD-17-C-21250-S15 | Electrode queue with 21 Ag/AgCl electrodes | 150 cm |  | 1 pc |



Other connector types on request.

EEG / Headcaps with Prewired Electrodes

MultiCap PRO - for routine

MCScap Professional



External Electrode Detail



Electrode Detail















Gesintert Ag/AgCl



Headcaps with Prewired Electrodes / EEG








MultiCap PRO

Advertisement

| Code 20 Electrodes | Code 21 Electrodes | Head Circumference | Connectors | Pack |
|--------------------|--------------------|--------------------|---|------|
| MP-XL20-00KK25-A | MP-XL21-00KK25-A | XL 60-66 cm ● |  | 1 pc |
| MP-XLL20-00KK25-A | MP-XLL21-00KK25-A | XLL 57-63 cm ●● |  | 1 pc |
| MP-L20-00KK25-A | MP-L21-00KK25-A | L 54-60 cm ● |  | 1 pc |
| MP-LM20-00KK25-A | MP-LM21-00KK25-A | LM 51-57 cm ●● |  | 1 pc |
| MP-M20-00KK25-A | MP-M21-00KK25-A | M 48-54 cm ● |  | 1 pc |
| MP-MS20-00KK25-A | MP-MS21-00KK25-A | MS 45-51 cm ●● |  | 1 pc |
| MP-S20-00KK25-A | MP-S21-00KK25-A | S 42-48 cm ● |  | 1 pc |
| MP-SXS20-00KK25-A | MP-SXS21-00KK25-A | SXS 39-45 cm ●● |  | 1 pc |
| MP-XS20-00KK25-A | MP-XS21-00KK25-A | XS 36-42 cm ● |  | 1 pc |
| Code 20 Electrodes | Code 21 Electrodes | Head Circumference | Connectors | Pack |
| MPI-1-20-00KK25-A | MPI-1-21-00KK25-A | I1 32-36 cm ● |  | 1 pc |
| Code 14 Electrodes | Code 15 Electrodes | Head Circumference | Connectors | Pack |
| MPI-2-14-00KK25-A | MPI-2-15-00KK25-A | I2 28-32 cm ● |  | 1 pc |
| MPI-3-14-00KK25-A | MPI-3-15-00KK25-A | I3 24-28 cm ● |  | 1 pc |

Caps with more or less electrodes on request.

Electrodes for MultiCap DOC

| Code | Description | Length | Connector | Pack |
|-------------------|--|--------|---|-------|
| MP-17-A-26-S15 | Single Ag/AgCl electrode with 1,5mm Din plug | 150 cm |  | 5 pcs |
| MP-17-A-10250-S15 | Electrode queue with 10 Ag/AgCl electrodes | 150 cm |  | 1 pc |
| MP-17-A-11250-S15 | Electrode queue with 11 Ag/AgCl electrodes | 150 cm |  | 1 pc |
| MP-17-A-14250-S15 | Electrode queue with 14 Ag/AgCl electrodes | 150 cm |  | 1 pc |
| MP-17-A-15250-S15 | Electrode queue with 15 Ag/AgCl electrodes | 150 cm |  | 1 pc |
| MP-17-A-20250-S15 | Electrode queue with 20 Ag/AgCl electrodes | 150 cm |  | 1 pc |
| MP-17-A-21250-S15 | Electrode queue with 21 Ag/AgCl electrodes | 150 cm |  | 1 pc |



Other connector types on request.

EEG / Headcaps with Prewired Electrodeholders

MultiCap CUP - for use with cup electrodes

Support headcap made with soft material designed for greater patient comfort.

Provides a better access to the scalp through holes on the headset.

Holder for standard 10 mm cup electrode

Single cables in a sleeve

Explicated REF electrode on the cap.

Electrodes available in: Ag/AgCl - Gold

International 10-20 System used as reference for the placement of electrodes.

Chin holder is included in the package.



External Electrode Detail



Electrode Detail



Gold



Ag/AgCl



Cup Electrodes can be found on page 30 and 73

Headcaps with Prewired Electrodeholders / EEG

MultiCap CUP (without electrodes)

Adult

| Code | 21 Holders | Head Circumference | N° Holders | Pack |
|-------------------|------------|--------------------|-----------------|------|
| MC-XLKK-20RK00-K | | XL 60-66 cm ● | 19 + GND + Ref. | 1 pc |
| MC-XLLKK-20RK00-K | | XLL 57-63 cm ●● | 19 + GND + Ref. | 1 pc |
| MC-LKK-20RK00-K | | L 54-60 cm ● | 19 + GND + Ref. | 1 pc |
| MC-LMKK-20RK00-K | | LM 51-57 cm ●● | 19 + GND + Ref. | 1 pc |
| MC-MKK-20RK00-K | | M 48-54 cm ● | 19 + GND + Ref. | 1 pc |
| MC-MSKK-20RK00-K | | MS 45-51 cm ●● | 19 + GND + Ref. | 1 pc |
| MC-SKK-20RK00-K | | S 42-48 cm ● | 19 + GND + Ref. | 1 pc |
| MC-SXSKK-20RK00-K | | SXS 39-45 cm ●● | 19 + GND + Ref. | 1 pc |
| MC-XSKK-20RK00-K | | XS 36-42 cm ● | 19 + GND + Ref. | 1 pc |

Infant

| Code | 21 Holders | Head Circumference | N° Holders | Pack |
|------------------|------------|--------------------|-----------------|------|
| MCI-1KK-20RK00-K | | I1 32-36 cm ● | 13 + GND + Ref. | 1 pc |

| Code | 15 Holders | Head Circumference | N° Holders | Pack |
|------------------|------------|--------------------|-----------------|------|
| MCI-2KK-14RK00-K | | I2 28-32 cm ● | 13 + GND + Ref. | 1 pc |
| MCI-3KK-14RK00-K | | I3 24-28 cm ● | 13 + GND + Ref. | 1 pc |

Caps with more or less electrode holders on request.

Electrodes for MultiCap CUP

- Gold and Ag/AgCl electrodes with 10 different colored cables. Cables are made of teflon.
- Electrodes diameter is 10 mm.



| Code | Material | Cable length | Connectors | Pack |
|-----------------|----------|--------------|------------|--------|
| DEGM102600 | Gold | 100 cm | | 10 pcs |
| DEGM152600 | Gold | 150 cm | | 10 pcs |
| DEGM252600 | Gold | 250 cm | | 10 pcs |
| DAGM102600 | Ag/AgCl | 100 cm | | 10 pcs |
| DAGM152600 | Ag/AgCl | 150 cm | | 10 pcs |
| DAGM252600 | Ag/AgCl | 250 cm | | 10 pcs |
| MC-AU-20250-S15 | Gold | 150 cm | | 1 pcs |
| MC-AU-21250-S15 | Gold | 150 cm | | 1 pcs |
| MC-AG-20250-S15 | Ag/AgCl | 150 cm | | 1 pcs |
| MC-AG-21250-S15 | Ag/AgCl | 150 cm | | 1 pcs |



Other material and connector types on request.

EEG / Headcaps with Prewired Electrodeholders

MultiCap SOFT



External Electrode Detail



Electrode Detail



Tin



Electrode Detail



Sintered Ag/AgCl



Headcaps with Prewired Electrodes / EEG

MultiCap SOFT (without Electrodes)

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| Code 21 Holders | Head Circumference | N° Holders | Pack |
|-------------------|--------------------|-----------------|------|
| MW-XLKK-20RK00-K | XL 60-66 cm ● | 19 + GND + Ref. | 1 pc |
| MW-XLLKK-20RK00-K | XLL 57-63 cm ●● | 19 + GND + Ref. | 1 pc |
| MW-LKK-20RK00-K | L 54-60 cm ● | 19 + GND + Ref. | 1 pc |
| MW-LMKK-20RK00-K | LM 51-57 cm ●● | 19 + GND + Ref. | 1 pc |
| MW-MKK-20RK00-K | M 48-54 cm ● | 19 + GND + Ref. | 1 pc |
| MW-MSKK-20RK00-K | MS 45-51 cm ●● | 19 + GND + Ref. | 1 pc |
| MW-SKK-20RK00-K | S 42-48 cm ● | 19 + GND + Ref. | 1 pc |
| MW-SXSKK-20RK00-K | SXS 39-45 cm ●● | 19 + GND + Ref. | 1 pc |
| MW-XSKK-20RK00-K | XS 36-42 cm ● | 19 + GND + Ref. | 1 pc |















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| Code 21 Holders | Head Circumference | N° Holders | Pack |
|------------------|--------------------|-----------------|------|
| MWI-1KK-20RK00-K | I1 32-36 cm ● | 13 + GND + Ref. | 1 pc |

| Code 15 Holders | Head Circumference | N° Holders | Pack |
|------------------|--------------------|-----------------|------|
| MWI-2KK-14RK00-K | I2 28-32 cm ● | 13 + GND + Ref. | 1 pc |
| MWI-3KK-14RK00-K | I3 24-28 cm ● | 13 + GND + Ref. | 1 pc |

Caps with more or less electrode holders on request.

Electrodes for MultiCap SOFT

| Code | Description | Connector | Pack |
|-------------------|--|---|-------|
| ME-17-A-26-S15 | Single sint. AgCl electrode with 1,5 mm DIN plug |  | 5 pcs |
| MW-17-Z-26-S15 | Single tin electrode with 1,5 mm DIN plug |  | 5 pcs |
| ME-17-A-10250-S15 | Electrode queue with 10 sint. AgCl electrodes |  | 1 pc |
| ME-17-A-11250-S15 | Electrode queue with 11 sint. AgCl electrodes |  | 1 pc |
| ME-17-A-14250-S15 | Electrode queue with 14 sint. AgCl electrodes |  | 1 pc |
| ME-17-A-15250-S15 | Electrode queue with 15 sint. AgCl electrodes |  | 1 pc |
| ME-17-A-20250-S15 | Electrode queue with 20 sint. AgCl electrodes |  | 1 pc |
| ME-17-A-21250-S15 | Electrode queue with 21 sint. AgCl electrodes |  | 1 pc |
| MW-17-Z-10250-S15 | Electrode queue with 10 tin electrodes |  | 1 pc |
| MW-17-Z-11250-S15 | Electrode queue with 11 tin electrodes |  | 1 pc |
| MW-17-Z-14250-S15 | Electrode queue with 14 tin electrodes |  | 1 pc |
| MW-17-Z-15250-S15 | Electrode queue with 15 tin electrodes |  | 1 pc |
| MW-17-Z-20250-S15 | Electrode queue with 20 tin electrodes |  | 1 pc |
| MW-17-Z-21250-S15 | Electrode queue with 21 tin electrodes |  | 1 pc |

Tin



sintered Ag/AgCl



Other connector types on request.

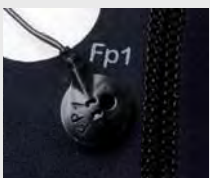
EEG / Headcaps with Prewired Electrodes

MultiCap MRI - for long-term application

MCScap MRI



External Electrode Detail



Electrode Detail



Sintered Ag/AgCl



Headcaps with Prewired Electrodes / EEG

MultiCap FLAT MRI



MCScap MRI

Adult Infant

| Code | Head Circumference | Connectors | Pack |
|-------------------|--------------------|------------|------|
| ME-XLKK-00KK00-K | XL 60-66 cm ● | | 1 pc |
| ME-XLLKK-00KK00-K | XLL 57-63 cm ●● | | 1 pc |
| ME-LKK-00KK00-K | L 54-60 cm ● | | 1 pc |
| ME-LMKK-00KK00-K | LM 51-57 cm ●● | | 1 pc |
| ME-MKK-00KK00-K | M 48-54 cm ● | | 1 pc |
| ME-MSKK-00KK00-K | MS 45-51 cm ●● | | 1 pc |
| ME-SKK-00KK00-K | S 42-48 cm ● | | 1 pc |
| ME-SXSkk-00KK00-K | SXS 39-45 cm ●● | | 1 pc |
| ME-XSkk-00KK00-K | XS 36-42 cm ● | | 1 pc |

| Code | Head Circumference | Connectors | Pack |
|-----------------|--------------------|------------|------|
| ME-1KK-00KK00-K | I1 32-36 cm ● | | 1 pc |
| ME-2KK-00KK00-K | I2 28-32 cm ● | | 1 pc |
| ME-3KK-00KK00-K | I3 24-28 cm ● | | 1 pc |

Electrodes for MultiCap FLAT MRI



| Code | Description | Length | Connectors | Pack |
|--------------------|---|--------|------------|-------|
| MRI-17-A-26-S15- | Single electrode Ag/AgCl with 1,5mm Din plug | 150 cm | | 5 pcs |
| MRI-17-A-10250-S15 | Electrode queue with 10 sintered Ag/AgCl electrodes | 150 cm | | 1 pc |
| MRI-17-A-11250-S15 | Electrode queue with 11 sintered Ag/AgCl electrodes | 150 cm | | 1 pc |
| MRI-17-A-14250-S15 | Electrode queue with 14 sintered Ag/AgCl electrodes | 150 cm | | 1 pc |
| MRI-17-A-15250-S15 | Electrode queue with 15 sintered Ag/AgCl electrodes | 150 cm | | 1 pc |
| MRI-17-A-20250-S15 | Electrode queue with 20 sintered Ag/AgCl electrodes | 150 cm | | 1 pc |
| MRI-17-A-21250-S15 | Electrode queue with 21 sintered Ag/AgCl electrodes | 150 cm | | 1 pc |



Other connector types on request.

Headcaps with Prewired Electrodes / EEG

MultiCap TES

MCScap TES

Adult Infant

| Code | Head Circumference | Pack |
|-------------------|--------------------|------|
| ME-XLKK-00KK00-K | XL 60-66 cm ● | 1 pc |
| ME-XLLKK-00KK00-K | XLL 57-63 cm ●● | 1 pc |
| ME-LKK-00KK00-K | L 54-60 cm ● | 1 pc |
| ME-LMKK-00KK00-K | LM 51-57 cm ●● | 1 pc |
| ME-MKK-00KK00-K | M 48-54 cm ● | 1 pc |
| ME-MSKK-00KK00-K | MS 45-51 cm ●● | 1 pc |
| ME-SKK-00KK00-K | S 42-48 cm ● | 1 pc |
| ME-SXSkk-00KK00-K | SXS 39-45 cm ●● | 1 pc |
| ME-XSkk-00KK00-K | XS 36-42 cm ● | 1 pc |

| Code | Head Circumference | Pack |
|------------------|--------------------|------|
| MEI-1KK-00KK00-K | I1 32-36 cm ● | 1 pc |
| MEI-2KK-00KK00-K | I2 28-32 cm ● | 1 pc |
| MEI-3KK-00KK00-K | I3 24-28 cm ● | 1 pc |

Electrodes for MultiCap TES

| Code | Description | Length | Connectors | Pack |
|-----------|--|--------|---|--------|
| MTES-22 | Single electrode Ag/AgCl with 1,5mm Din plug | 150 cm |  | 5 pcs |
| MTES-22-S | Electrode Sponge | - | - | 10 pcs |



Other connector types on request.

EEG / Headcaps without Electrodes and Holders

MultiCap



Headcaps without Electrodes and Holders / EEG

MultiCap (without Electrodes and Holders)

Adult Infant


| Code | Head Circumference | Pack |
|-------------------|--------------------|------|
| ME-XLKK-00KK00-K | XL 60-66 cm ● | 1 pc |
| ME-XLLKK-00KK00-K | XLL 57-63 cm ●● | 1 pc |
| ME-LKK-00KK00-K | L 54-60 cm ● | 1 pc |
| ME-LMKK-00KK00-K | LM 51-57 cm ●● | 1 pc |
| ME-MKK-00KK00-K | M 48-54 cm ● | 1 pc |
| ME-MSKK-00KK00-K | MS 45-51 cm ●● | 1 pc |
| ME-SKK-00KK00-K | S 42-48 cm ● | 1 pc |
| ME-SXSKK-00KK00-K | SXS 39-45 cm ●● | 1 pc |
| ME-XSKK-00KK00-K | XS 36-42 cm ● | 1 pc |

| Code | Head Circumference | Pack |
|------------------|--------------------|------|
| MEI-1KK-00KK00-K | I1 32-36 cm ● | 1 pc |
| MEI-2KK-00KK00-K | I2 28-32 cm ● | 1 pc |
| MEI-3KK-00KK00-K | I3 24-28 cm ● | 1 pc |

MultiCap Electrodes



| Code | MultiCap System | Material | Pack |
|-----------------|-----------------|------------------|-------|
| MF-17-A-26-S15 | MultiCap FLAT | sintered Ag/AgCl | 5 pcs |
| MD-17-C-26-S15 | MultiCap DOC | Ag/AgCl | 5 pcs |
| MP-17-C-26-S15 | MultiCap PRO | sintered Ag/AgCl | 5 pcs |
| ME-17-A-26-S15 | MultiCap SOFT | sintered Ag/AgCl | 5 pcs |
| MW-17-Z-26-S15 | MultiCap SOFT | Zinn | 5 pcs |
| MRI-17-A-26-S15 | MultiCap MRI | sintered Ag/AgCl | 5 pcs |
| MTES-22 | MultiCap TES | Ag/AgCl | 5 pcs |

 Touch Proof Ø 1,5 mm DIN 42802

EEG / MultiCap Accessories

Chest Belt

· Chest belt for ideal fixing for each MultiCap model.

| Code | Description | Pack |
|---------|---------------------------------------|------|
| ME-3-L | Size L with belt buckle | 1 pc |
| ME-3-S | Size S with belt buckle | 1 pc |
| ME-3-SI | Size SI for infa with velcro fastener | 1 pc |



Chin Strap

· This chin strap takes care for a perfect fit at all MultiCaps

| Code | Description | Pack |
|---------|-----------------------------|------|
| ME-23-L | Size L with velcro fastener | 1 pc |
| ME-23-M | Size M with velcro fastener | 1 pc |
| ME-23-S | Size S with velcro fastener | 1 pc |



Cable Tie (velcro)

· Velcro strap (cable tie) for easy fixing of electrode cable.

| Code | Color | Pack |
|---------|-------|------|
| ME-13-S | black | 1 pc |



MultiCap Accessories / EEG



Cable Sheathing

· To secure the Multicap electrode cables.


| Code | Description | Pack |
|----------|----------------------------|------|
| ME-14-10 | Flexible Material - 100 cm | 1 pc |
| ME-14-15 | Flexible Material - 150 cm | 1 pc |
| ME-14-20 | Flexible Material - 200 cm | 1 pc |
| ME-14-25 | Flexible Material - 250 cm | 1 pc |

MultiCap Electrode

· Usable as a reference electrode.
· Available in different lengths and different connectors.

| Code | Description | Pack |
|------------|---|--------|
| OHR-EM-H | Ear Holder Base | 1 pair |
| OHR-EM-26 | Ear Holder Base + sintered AgCl Electrode | 1 pair |
| OHR-EM-F | Ear Holder Flat | 1 pair |
| OHR-EM-26F | Ear Holder Flat + sintered AgCl Electrode | 1 pair |

Cable Length 150 cm


 Touch Proof Ø 1,5 mm DIN 42802

Ear Clip Electrode

· Usable as a reference electrode.
· Available in different lengths and with different connectors.

| Code | Electrode Material | Pack |
|-------------|--------------------|--------|
| EAR1026T0-2 | Sn | 1 pair |
| EAR1026AG-2 | Ag/AgCl | 1 pair |
| EAR1026S0-2 | Sintered AgCl | 1 pair |
| EAR1026G0-2 | Au | 1 pair |

Cable Length 100 cm

 Touch Proof Ø 1,5 mm DIN 42802

Holder for MultiCap

| Code | Description | Pack |
|---------|-------------------|--------|
| MWEF-20 | for MultiCap Soft | 10 pcs |
| MCE-20 | for MultiCap Cup | 10 pcs |
| ME-20 | for MultiCap Base | 10 pcs |

Electrode holder ME-20 also available in black, white and red on request.

Head Measure Tape

· Special colour coded measure tape for MultiCaps.



| Code | Description | Pack |
|-------|---------------|------|
| ME-12 | Length 205 cm | 1 pc |

EEG / Electrode Board Adapter

GVB-SPEs offers a wide range of connectors for connection to all common EEG devices. We provide a great level of flexibility in order to meet our customers necessities.



Adapter

| Code | N° TP Connector | Electrode Side | Headbox Side | Pack |
|-----------------|-----------------|----------------|--|------|
| CAPCAB2125F26SI | 21 | Sub-D-25 |  Ø 1,5 mm | 1 pc |
| CAPCAB2025F26SI | 20 | Sub-D-25 |  Ø 1,5 mm | 1 pc |





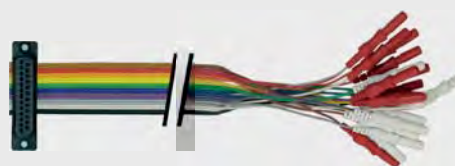
Adapter

| Code | N° Socket | Electrode Side | Headbox Side | Pack |
|----------------|-----------|-------------------|--------------|------|
| CAPCAB212825SI | 21 | 1,5 mm DIN socket | Sub-D-25 | 1 pc |
| CAPCAB202825SI | 20 | 1,5 mm DIN socket | Sub-D-25 | 1 pc |



Adapter

| Code | N° TP Connector | Electrode Side | Headbox Side | Pack |
|---------------|-----------------|----------------|--|------|
| CAPCAB2025F26 | 20 | Sub-D-25 |  Ø 1,5 mm | 1 pc |
| CAPCAB2025F21 | 20 | Sub-D-25 | 2 mm plug | 1 pc |
| CAPCAB2125F26 | 21 | Sub-D-25 |  Ø 1,5 mm | 1 pc |
| CAPCAB2125F21 | 21 | Sub-D-25 | 2 mm plug | 1 pc |



Other adapter and connectors on request

To be used with
all types of
MultiCap



In order to make the electrodes trunks service-friendly, we have developed a connector that allows the user to replace or change individual electrodes, despite multiple connector.

This is made possible due to the fact that we do not solder the cable individually, but rather make it pluggable in the sub D connector.



SUB D Connector for 1 mm plug

- Easy to exchange the electrodes - no soldering necessary.
- For all electrode and cap variants.
- Free choice of the assignment of the connector.
- Cables are bundled in a self-closing protective jacket.

FLAT

| Code | Material | Connector | Pack |
|-------------------|--------------------------------|-----------|-------|
| MF-17-A-14251-S15 | 14 sintered Ag/AgCl Electrodes | | 1 pc |
| MF-17-A-20251-S15 | 20 sintered Ag/AgCl Electrodes | | 1 pc |
| MF-17-A-21251-S15 | 21 sintered Ag/AgCl Electrodes | | 1 pc |
| MF-17-A-17-S15 | sintered Ag/AgCl Electrodes | | 5 pcs |

DOC

| Code | Material | Connector | Pack |
|-------------------|-----------------------|-----------|-------|
| MD-17-C-14251-S15 | 14 Ag/AgCl Electrodes | | 1 pc |
| MD-17-C-20251-S15 | 20 Ag/AgCl Electrodes | | 1 pc |
| MD-17-C-21251-S15 | 21 Ag/AgCl Electrodes | | 1 pc |
| MD-17-C-17-S15 | Ag/AgCl Electrodes | | 5 pcs |

CUP

| Code | Material | Connector | Pack |
|-----------------|-----------------------------|-----------|-------|
| MC-AU-14251-S15 | 14 sintered gold Electrodes | | 1 pc |
| MC-AU-20251-S15 | 20 sintered gold Electrodes | | 1 pc |
| MC-AU-21251-S15 | 21 sintered gold Electrodes | | 1 pc |
| MC-17-AU-17-S15 | sintered gold Electrodes | | 5 pcs |

SOFT

| Code | Material | Connector | Pack |
|-------------------|-------------------|-----------|-------|
| MW-17-Z-14251-S15 | 14 tin Electrodes | | 1 pc |
| MW-17-Z-20251-S15 | 20 tin Electrodes | | 1 pc |
| MW-17-Z-21251-S15 | 21 tin Electrodes | | 1 pc |
| MW-17-Z-17-S15 | Tin Electrodes | | 5 pcs |

BASE

| Code | Material | Connector | Pack |
|-------------------|--------------------------------|-----------|-------|
| ME-17-A-14251-S15 | 14 sintered Ag/AgCl Electrodes | | 1 pc |
| ME-17-A-20251-S15 | 20 sintered Ag/AgCl Electrodes | | 1 pc |
| ME-17-A-21251-S15 | 21 sintered Ag/AgCl Electrodes | | 1 pc |
| ME-17-A-17-S15 | sintered Ag/AgCl Electrodes | | 5 pcs |

Protective jacket

| Code | Description | Pack |
|----------|----------------------------|------|
| ME-14-10 | Flexible Material - 100 cm | 1 pc |
| ME-14-15 | Flexible Material - 150 cm | 1 pc |
| ME-14-20 | Flexible Material - 200 cm | 1 pc |
| ME-14-25 | Flexible Material - 250 cm | 1 pc |



Neurodiagnostics / EEG

GVB-SPES offer a complete range of electrodes and accessories to be used during EEG, EP and ERG examinations.

All products have been developed to ensure maximum signal quality and patient comfort.

- Headcaps with Precabled Electrodes
 - Cerebral Function Monitoring
 - Netcaps
 - Headcap Accessories

EEG / Material, Connectors and Cables

Material

The electrodes on our headcaps are made of:



Tin

Sn



Silver/Silver Chloride

Ag/AgCl



Sintered Silver/Silver Chloride

sintered Ag/AgCl



Gold

Au

Connectors

We offer a wide range of connectors. Please find below the standard versions:



Touch Proof
DIN 42802



Sub-D 25



Sub-D 37



Sub-D 50



MDR



Further configurations are available according to your needs.

Cables

GVB-SPES provides three different cable configurations:

Flat cables



Twisted cables



Single cables

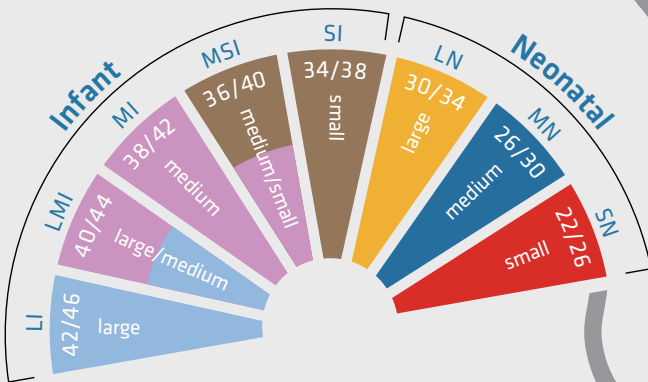
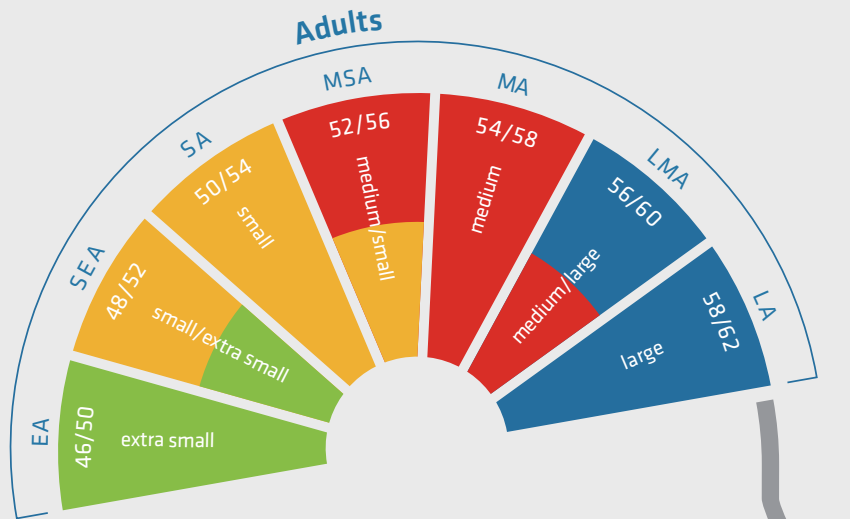


Sizes

We offer numerous headset sizes depending on your patients needs.

Adults

Adult headset sizes are available between 46 and 62 cm (head circumference diameter).



Infant and Neonatal

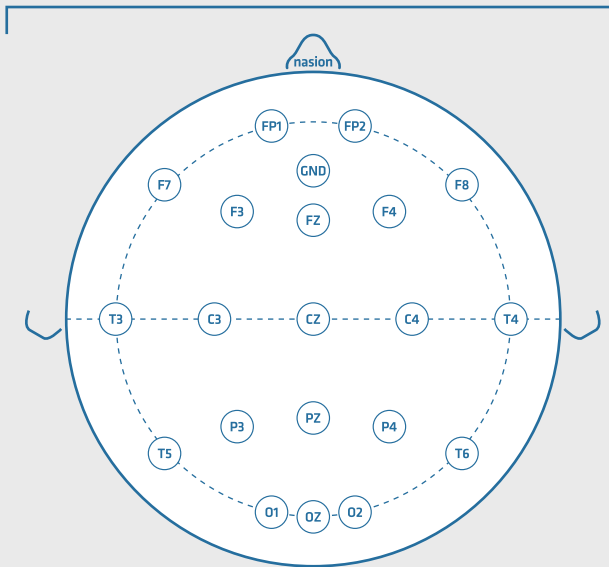
Pediatric and neonatal headset sizes are available in a range between 22 and 46 cm (head circumference diameter).



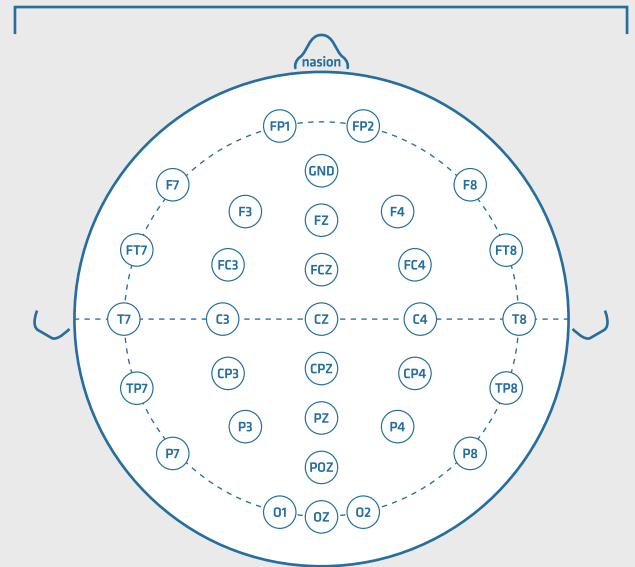
International 10-20 System

Our headcaps are made in accordance with the International 10-20 System. GVB-SPES offers the possibility to customize the electrode layout up to a 128-channel application.

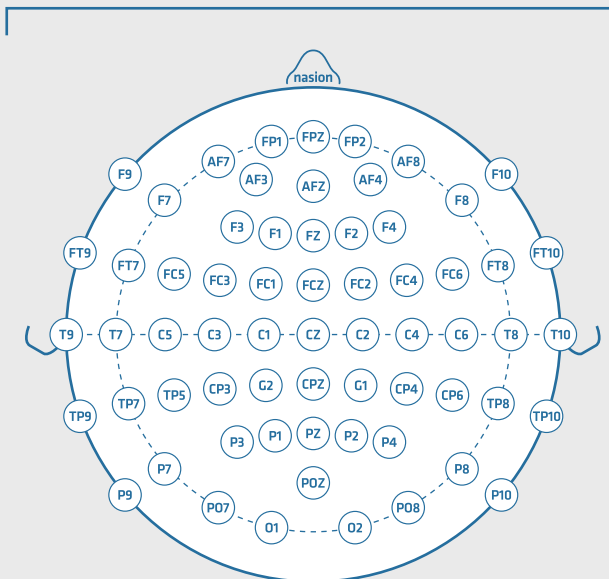
20 Electrodes Scheme



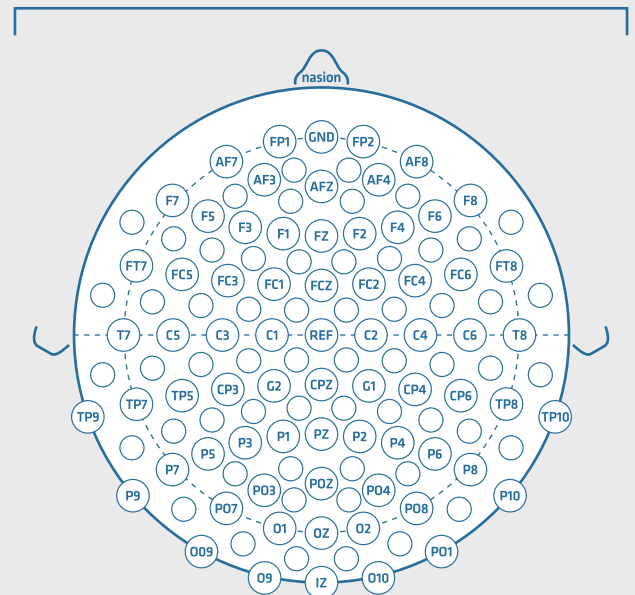
32 Electrodes Scheme



64 Electrodes Scheme

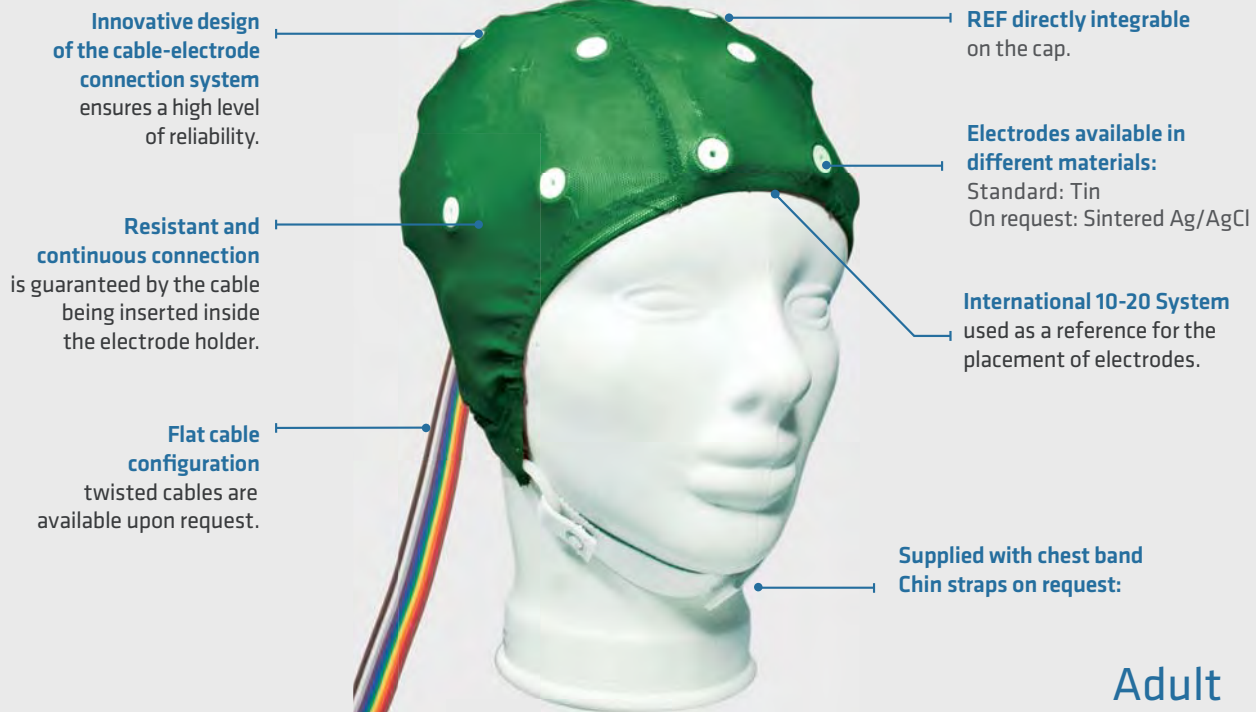


128 Electrodes Scheme



EEG / Headcaps with Prewired Electrodes

Medcap

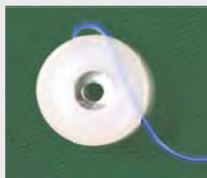


Adult

External Electrode Detail



Internal Electrode Detail



Tin



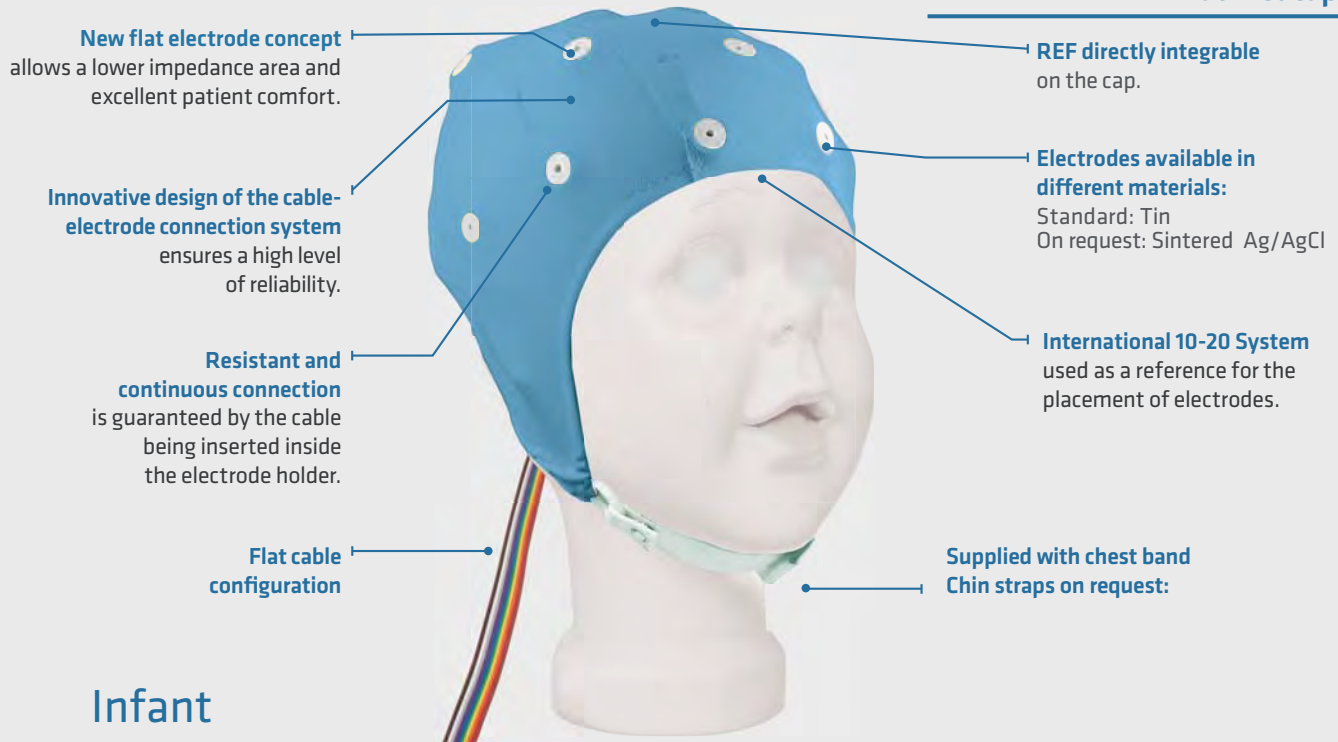
| Code | Head Circumference | | N° Electrodes | Connectors | Pack |
|-------------|--------------------|----|----------------|------------|------|
| CAMSOLAA20 | 58-62 cm | ● | 19 + GND | | 1 pc |
| CAMSOLMAA20 | 56-60 cm | ●● | 19 + GND | | 1 pc |
| CAMSOMAA20 | 54-58 cm | ● | 19 + GND | | 1 pc |
| CAMSOMSAA20 | 52-56 cm | ●● | 19 + GND | | 1 pc |
| CAMSOSAA20 | 50-54 cm | ● | 19 + GND | | 1 pc |
| CAMSOSEAA20 | 48-52 cm | ●● | 19 + GND | | 1 pc |
| CAMSOEAA20 | 46-50 cm | ● | 19 + GND | | 1 pc |
| CAMSOLAA21 | 58-62 cm | ● | 19 + GND + REF | | 1 pc |
| CAMSOLMAA21 | 56-60 cm | ●● | 19 + GND + REF | | 1 pc |
| CAMSOMAA21 | 54-58 cm | ● | 19 + GND + REF | | 1 pc |
| CAMSOMSAA21 | 52-56 cm | ●● | 19 + GND + REF | | 1 pc |
| CAMSOSAA21 | 50-54 cm | ● | 19 + GND + REF | | 1 pc |
| CAMSOSEAA21 | 48-52 cm | ●● | 19 + GND + REF | | 1 pc |
| CAMSOEAA21 | 46-50 cm | ● | 19 + GND + REF | | 1 pc |

Other electrode materials on request.

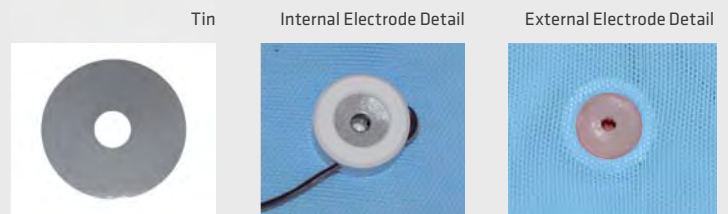
Headcaps with Prewired Electrodes / EEG

Flat Medcap

New



Infant



| Code | Head Circumference | N° Electrodes | Connectors | Pack |
|--------------|--------------------|----------------|------------|------|
| CAMSOLIA20F | 42-46 cm ● | 19 + GND | | 1 pc |
| CAMSOLMIA20F | 40-44 cm ●● | 19 + GND | | 1 pc |
| CAMSOMIA20F | 38-42 cm ● | 19 + GND | | 1 pc |
| CAMSOLIA10F | 42-46 cm ● | 9 + GND | | 1 pc |
| CAMSOLMIA10F | 40-44 cm ●● | 9 + GND | | 1 pc |
| CAMSOMIA10F | 38-42 cm ● | 9 + GND | | 1 pc |
| CAMSOMSIA10F | 36-40 cm ●● | 9 + GND | | 1 pc |
| CAMSOSIA10F | 34-38 cm ● | 9 + GND | | 1 pc |
| CAMSOLIA21F | 42-46 cm ● | 19 + GND + REF | | 1 pc |
| CAMSOLMIA21F | 40-44 cm ●● | 19 + GND + REF | | 1 pc |
| CAMSOMIA21F | 38-42 cm ● | 19 + GND + REF | | 1 pc |
| CAMSOLIA14F | 42-46 cm ● | 13 + GND | | 1 pc |
| CAMSOLMIA14F | 40-44 cm ●● | 13 + GND | | 1 pc |
| CAMSOMIA14F | 38-42 cm ● | 13 + GND | | 1 pc |
| CAMSOMSIA14F | 36-40 cm ●● | 13 + GND | | 1 pc |
| CAMSOSIA14F | 34-38 cm ● | 13 + GND | | 1 pc |

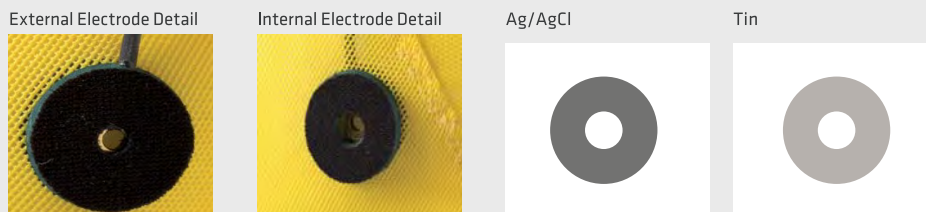
Other electrode materials on request.

EEG / Headcaps with Prewired Electrodes

Sleepcap



Adult



| Code | Head Circumference | N° Electrodes | Connectors | Pack |
|-------------|--------------------|----------------|------------|------|
| CSSAGLAC20 | 58-62 cm ● | 19 + GND | | 1 pc |
| CSSAGLMAC20 | 56-60 cm ●● | 19 + GND | | 1 pc |
| CSSAGMAC20 | 54-58 cm ●●● | 19 + GND | | 1 pc |
| CSSAGMSAC20 | 52-56 cm ●●●● | 19 + GND | | 1 pc |
| CSSAGSAC20 | 50-54 cm ●●●●● | 19 + GND | | 1 pc |
| CSSAGSEAC20 | 48-52 cm ●●●●●● | 19 + GND | | 1 pc |
| CSSAGEAC20 | 46-50 cm ●●●●●●● | 19 + GND | | 1 pc |
| CSSAGLAC21 | 58-62 cm ● | 19 + GND + REF | | 1 pc |
| CSSAGLMAC21 | 56-60 cm ●● | 19 + GND + REF | | 1 pc |
| CSSAGMAC21 | 54-58 cm ●●● | 19 + GND + REF | | 1 pc |
| CSSAGMSAC21 | 52-56 cm ●●●● | 19 + GND + REF | | 1 pc |
| CSSAGSAC21 | 50-54 cm ●●●●● | 19 + GND + REF | | 1 pc |
| CSSAGSEAC21 | 48-52 cm ●●●●●● | 19 + GND + REF | | 1 pc |
| CSSAGEAC21 | 46-50 cm ●●●●●●● | 19 + GND + REF | | 1 pc |

Other electrode materials on request.

Headcaps with Prewired Electrodes / EEG

Sleepcap



Infant



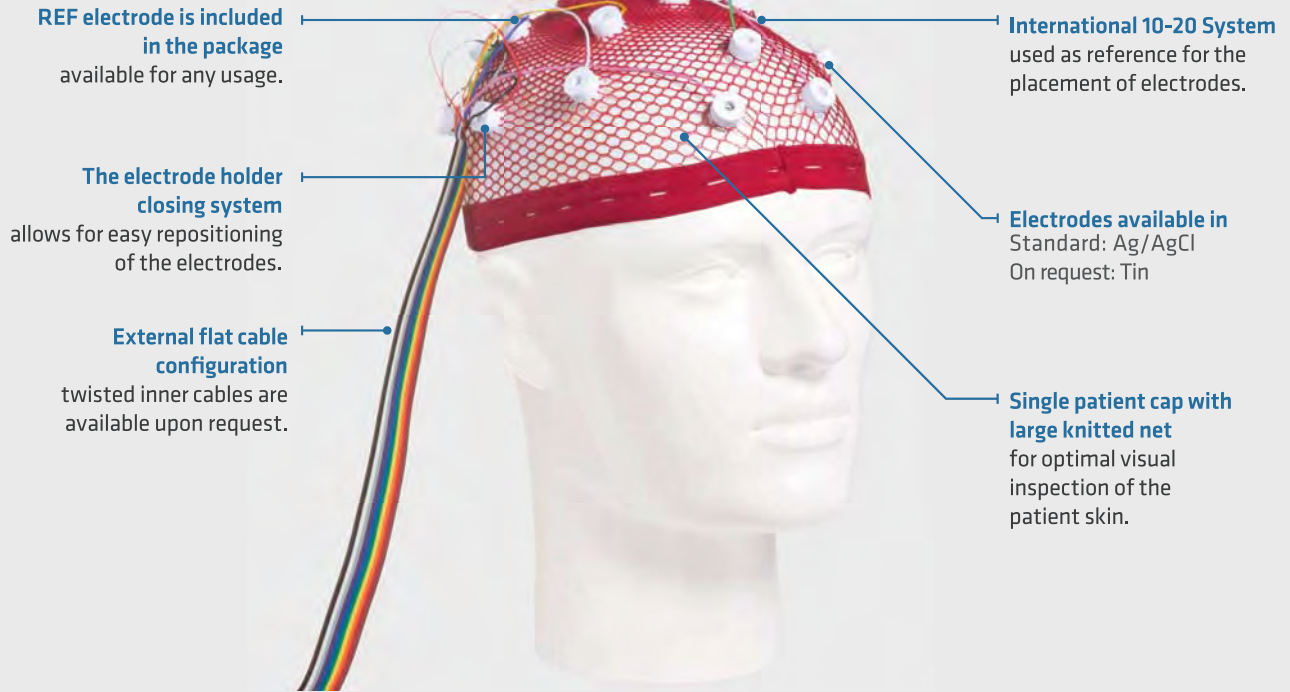
| Code | Head Circumference | N° Electrodes | Connectors | Pack |
|-------------|--------------------|----------------|------------|------|
| CSSAGLIC20 | 42-46 cm ● | 19 + GND | | 1 pc |
| CSSAGLMIC20 | 40-44 cm ●● | 19 + GND | | 1 pc |
| CSSAGMIC20 | 38-42 cm ● | 19 + GND | | 1 pc |
| CSSAGLIC10 | 42-46 cm ● | 9 + GND | | 1 pc |
| CSSAGLMIC10 | 40-44 cm ●● | 9 + GND | | 1 pc |
| CSSAGMIC10 | 38-42 cm ● | 9 + GND | | 1 pc |
| CSSAGMSIC10 | 36-40 cm ●● | 9 + GND | | 1 pc |
| CSSAGSIC10 | 34-38 cm ● | 9 + GND | | 1 pc |
| CSSAGLIC21 | 42-46 cm ● | 19 + GND + REF | | 1 pc |
| CSSAGLMIC21 | 40-44 cm ●● | 19 + GND + REF | | 1 pc |
| CSSAGMIC21 | 38-42 cm ● | 19 + GND + REF | | 1 pc |
| CSSAGLIC14 | 42-46 cm ● | 13 + GND | | 1 pc |
| CSSAGLMIC14 | 40-44 cm ●● | 13 + GND | | 1 pc |
| CSSAGMIC14 | 38-42 cm ● | 13 + GND | | 1 pc |
| CSSAGMSIC14 | 36-40 cm ●● | 13 + GND | | 1 pc |
| CSSAGSIC14 | 34-38 cm ● | 13 + GND | | 1 pc |

Other electrode materials on request.

EEG / Headcaps with Prewired Electrodes

Update +

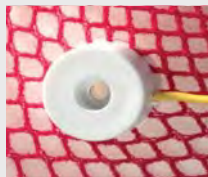
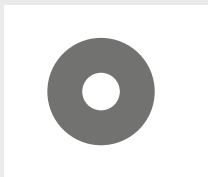
Disposable Dispacap



Ag/AgCl

Internal Electrode Detail

External Electrode Detail

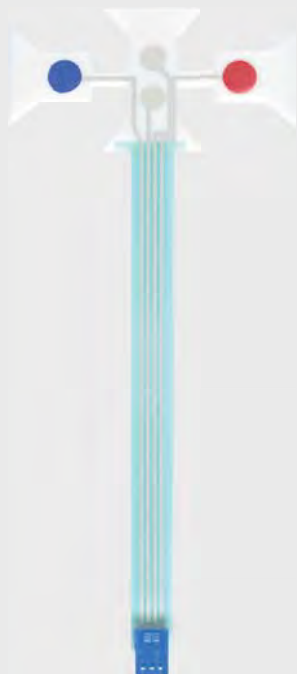


| Code | Head Circumference | N° Electrodes | Colour | Connectors | Pack |
|-------------|------------------------------|---------------|--------|------------|------|
| DCAPAGLAC20 | Adult Large (56 - 64 cm) | 20 + GND | blue | | 1 pc |
| DCAPAGMAC20 | Adult Small (48 - 56 cm) | 20 + GND | red | | 1 pc |
| DCAPAGSAC20 | Pediatric Large (40 - 48 cm) | 20 + GND | pink | | 1 pc |
| DCAPAGSIC14 | Pediatric Small (32 - 40 cm) | 13 + GND | brown | | 1 pc |

Dispacaps with 1,5 mm DIN connector are also available on request.

Other electrode materials, connector or configuration on request.

Cerebral Function Monitoring / EEG



Single patient CFM Electrode

- Excellent adhesion, lightweight, flexible and non-invasive.
- Electrode positions (C3 - C4 + REF - GND).
- Used in Neonatal Intensive Therapy Centers (NICU) to monitor neonatal encephalographic activity.


New

| Code | N° Channels | Pack |
|-----------|-------------|-------|
| CFM700000 | 2 | 4 pcs |

CFM Electrodes with more channels are available on request.



Connection Cable for CFM Electrode

| Code | Length | Connectors | Pack |
|-----------|--------|---|------|
| CFMC15026 | 150 cm |  Touch Proof Ø 1,5 mm DIN 42802 | 1 pc |

Connection cable for 4 channel recording available on request.

EEG / Headcaps Accessories

Chest Band

- Made with soft and elastic materials designed for excellent patient comfort.
- Equipped with press stud button for fast hooking with headcap ties.

| Code | Size | Color Code | Pack |
|-------------|-------------------|------------|------|
| BELT0000120 | 120 cm | ● | 1 pc |
| BELT0000095 | 95 cm | ● | 1 pc |
| BELT0000070 | 70 cm | ● | 1 pc |
| BELT0000040 | 40 cm (Pediatric) | ● | 1 pc |

Chin Holder

- Made with soft and elastic materials designed for excellent patient comfort.
- The package includes a pair of adjustable ties.

| Code | Size | Pack |
|--------------|--------------------------|------|
| TIRCUFFMENTA | Set Adult | 1 pc |
| TIRCUFFMENTP | Set Pediatric | 1 pc |
| TIRCUFFMENTN | Set Neonatal | 1 pc |
| MENTONIERA | Chin Protector Adult | 1 pc |
| MENTONIERA-P | Chin Protector Pediatric | 1 pc |
| TIRCUFF16 | Adjustable ties | 1 pc |

Emergency Electrode

- Available in different connectors, materials and cable lengths.

| Code | Electrode Material | Cable Length | Pack |
|------------|--------------------|--------------|------|
| EMELT12026 | Sn | 120 cm | 1 pc |

Disposable Blunt Needles

- Needles made of plastic and sterile needles made of steel that can be used for inserting the conductive gel into the prewired electrode housing.

| Code | Material | Diameter | Length | Pack |
|-------------|----------|---------------|--------|---------|
| DISP0001500 | steel | 1,60 mm (16G) | 15 mm | 100 pcs |
| DISP0001800 | steel | 1,60 mm (16G) | 18 mm | 100 pcs |
| DISP0002500 | steel | 1,60 mm (16G) | 25 mm | 100 pcs |
| E-8BK-GRÜN | plastic | 1,20 mm (16G) | 12 mm | 50 pcs* |
| E-8BK-BRAUN | plastic | 1,80 mm (16G) | 12 mm | 50 pcs* |

* with syringe

Reusable Blunt Needles

| Code | Material | Diameter | Length | Pack |
|-------|----------|---------------|--------|------|
| 53077 | steel | 1,60 mm (16G) | 15 mm | 1 pc |

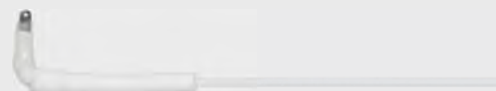
Syringe

- To use with blunt needles for filling gel.

| Code | Description | Pack |
|------|-------------|---------|
| E-7B | Luer Lock | 100 pcs |



Measure indicator



Electrode Board Adapter / EEG

GVB-SPES offer a wide range of connectors, touch proof safety connectors and others. We provide a great level of flexibility in order to meet our customers necessities.



1,5 mm DIN plug



Sub-D-50



Sub-D-25



SUB-D-37





MDR-female



MDR-male

Adapter

| Code | N° TP Connector | Electrode Side | Headbox Side | Pack |
|-----------------|-----------------|----------------|--|------|
| CAPCAB2125F26SI | 21 | Sub-D-25 |  Ø 1,5 mm | 1 pc |
| CAPCAB2025F26SI | 20 | Sub-D-25 |  Ø 1,5 mm | 1 pc |





Adapter

| Code | N° Socket | Electrode Side | Headbox Side | Pack |
|--------------|-----------|-------------------|--------------|------|
| CAPCAB2128SI | 21 | 1,5 mm DIN socket | Sub-D-25 | 1 pc |
| CAPCAB2028SI | 20 | 1,5 mm DIN socket | Sub-D-25 | 1 pc |



Adapter

| Code | N° TP Connector | Electrode Side | Headbox Side | Pack |
|---------------|-----------------|----------------|--|------|
| CAPCAB2025F26 | 20 | Sub-D-25 |  Ø 1,5 mm | 1 pc |
| CAPCAB2025F21 | 20 | Sub-D-25 | 2 mm plug | 1 pc |
| CAPCAB2125F26 | 21 | Sub-D-25 |  Ø 1,5 mm | 1 pc |
| CAPCAB2125F21 | 21 | Sub-D-25 | 2 mm plug | 1 pc |



Other adapter and connectors on request



Silicon Caps

In addition to the Headcaps with prewired electrodes, we also offer you our proven Silicon Caps. These can be used with bridges or fungus electrodes. You will also find your accessories in this chapter.

- Schröter Caps
 - Silicon Caps
- Bridge Electrodes
 - Accessories

EEG / Silicon Headcaps

Schröter EEG Caps for Bridge Electrodes

- The 10/20 system is already pre-set for Schröter caps .
- Made of soft, elastic, transparent and wear-resistant materials.
- Chin holder and ear pads are included in the package.
- The caps are also single colour available. In case of single colour is required, use the code for transparent cap and add the letter for the colour. G (green), R (red), B (blue), Y (yellow): for example S-HAUBE-20G for green Schröter cap size 20

| Code transparent | Code multi colour | Circumference | Pack |
|------------------|-------------------|---------------|------|
| S-HAUBE-16 | S-HAUBE-16-F | 16 cm | 1 pc |
| S-HAUBE-18 | S-HAUBE-18-F | 18 cm | 1 pc |
| S-HAUBE-20 | S-HAUBE-20-F | 20 cm | 1 pc |
| S-HAUBE-22 | S-HAUBE-22-F | 22 cm | 1 pc |
| S-HAUBE-24 | S-HAUBE-24-F | 24 cm | 1 pc |
| S-HAUBE-26 | S-HAUBE-26-F | 26 cm | 1 pc |
| S-HAUBE-28 | S-HAUBE-28-F | 28 cm | 1 pc |
| S-HAUBE-30 | S-HAUBE-30-F | 30 cm | 1 pc |
| S-HAUBE-32 | S-HAUBE-32-F | 32 cm | 1 pc |
| S-HAUBE-34 | S-HAUBE-34-F | 34 cm | 1 pc |
| S-HAUBE-36 | S-HAUBE-36-F | 36 cm | 1 pc |
| S-HAUBE-38 | S-HAUBE-38-F | 38 cm | 1 pc |
| S-HAUBE-40 | S-HAUBE-40-F | 40 cm | 1 pc |

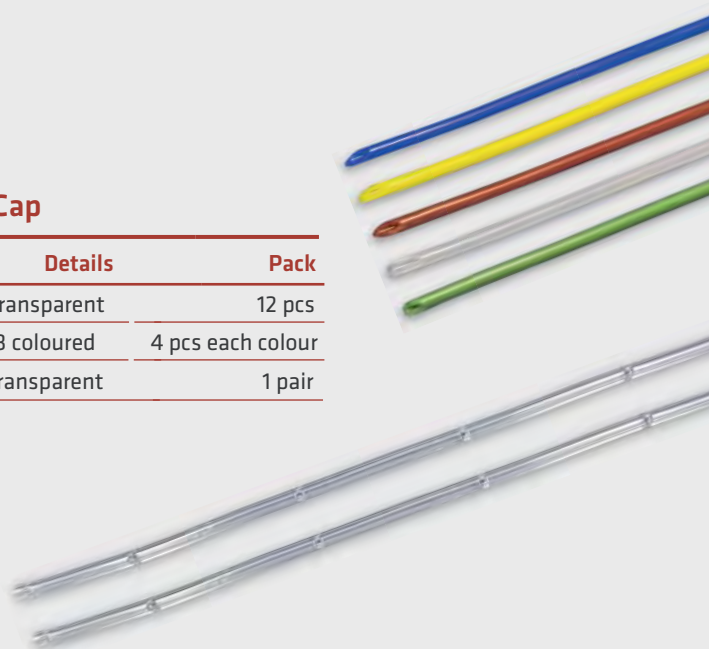
For hygienic caps with closed tubes please replace the „S“ through „H“ in the code



Spare Bracing Tubes for Schröter EEG Cap

| Code | Description | Details | Pack |
|-----------|----------------------|-------------|-------------------|
| 2345 | Cross tube 45 cm | Transparent | 12 pcs |
| 2345-F | Cross tube 45 cm | 3 coloured | 4 pcs each colour |
| 25XX-6-LR | Longitudinal bracing | Transparent | 1 pair |

xx = cap size (e.g. 34)



EEG Cap GVB



- Longitudinal braces which are connected to the cross bracing at the crossover points by rubber rings.
- All parts can be supplied as individual parts.

| Code | Description | Size | Pack |
|-------------|----------------------|----------|--------|
| S-HAUBE-G | Transparent cap | Large | 1 pc |
| S-HAUBE-G-F | Multi coloured cap | Large | 1 pc |
| S-HAUBE-M | Transparent cap | Medium | 1 pc |
| S-HAUBE-M-F | Multi coloured cap | Medium | 1 pc |
| S-HAUBE-K | Transparent cap | Small | 1 pc |
| S-HAUBE-K-F | Multi coloured cap | Small | 1 pc |
| 2345 | Cross bracing | One Size | 12 pc |
| 2534-2-LR | Longitudinal bracing | Large | 1 pair |
| 2530-2-LR | Longitudinal bracing | Medium | 1 pair |
| 2526-2-LR | Longitudinal bracing | Small | 1 pair |



Head Band Cap - Neonatal Cap

- The head band cap makes it possible to tailor your EEG cap to individual requirements.
- You need the short or long buttons to join the individual head bands to one another.
- The head band cap can be used exclusively with fungus electrodes and/or Z-electrodes.

| Code | Details | Description | Pack |
|----------|--------------------|---------------|--------|
| 2285 | Head Band | for extension | 5 pcs |
| 2280 | Forehead Band | 70 cm | 1 pc |
| 2402 | Attachment buttons | Long thorn | 1 pair |
| 2402-SET | Attachment buttons | Long thorn | 10 pcs |
| 2401 | Attachment buttons | Short thorn | 1 pair |
| 2401-SET | Attachment buttons | Short thorn | 10 pcs |

EEG / Silicon Headcaps

EEG Cap Vario

- Vario caps can be accurately adjusted because of their dual connection points and adjustable straps. The chin guard has been made of soft neoprene material.
- All parts can be supplied as individual parts.

| Code | Description | Size | Pack |
|--------------|-----------------------------|---------------|--------|
| HEAD0R4L | 4 longitudinal bracings | Large | 1 pc |
| HEAD0R2L | 2 longitudinal bracings | Large | 1 pc |
| HEAD0V4M | 4 longitudinal bracings | Medium | 1 pc |
| HEAD0V2M | 2 longitudinal bracings | Medium | 1 pc |
| HEAD0B4S | 4 longitudinal bracings | Small | 1 pc |
| HEAD0B2S | 2 longitudinal bracings | Small | 1 pc |
| MENTONIERA | Chin protector | Adult | 1 pc |
| MENTONIERA-P | Chin protector | Child | 1 pc |
| TIRCUFFMENTA | Chin strap + Chin protector | Adult | 1 pair |
| TIRCUFFMENTP | Chin strap + Chin protector | Child | 1 pair |
| TIRCUFFMENTN | Chin protector | Neonatal | 1 pc |
| TIRCUFF16 | Chin strap | Adult & Child | 1 pair |



Bridge Electrodes

- The gilded pin guarantees high signal quality and prevents corrosion.
- Screw system suitable for correct positioning of the electrode on the skin.
- Universal connector suitable for 2 mm spring pin and crocodile clip.
- Bridge made of ABS plastic material.

| Code | Electrode Material | Size | Bridge Color | Pack |
|------------|--------------------|-----------|--------------|--------|
| BEAG00A2 | Ag/AgCl | Adult | ● | 10 pcs |
| BEAG00A7 | Ag/AgCl | Adult | ● | 10 pcs |
| BEAG00P4 | Ag/AgCl | Pediatric | ● | 10 pcs |
| BEG000A2 | Sintered Ag/AgCl | Adult | ● | 10 pcs |
| BEG000A7 | Sintered Ag/AgCl | Adult | ● | 10 pcs |
| BEG000P4 | Sintered Ag/AgCl | Pediatric | ● | 10 pcs |
| BEAG00A2-H | Ag/AgCl | Adult | ● | 5 pcs |
| BEAG00A7-H | Ag/AgCl | Adult | ● | 5 pcs |
| BEAG00P4-H | Ag/AgCl | Pediatric | ● | 5 pcs |
| BEG000A2-H | Sintered Ag/AgCl | Adult | ● | 5 pcs |
| BEG000A7-H | Sintered Ag/AgCl | Adult | ● | 5 pcs |
| BEG000P4-H | Sintered Ag/AgCl | Pediatric | ● | 5 pcs |



Bridge Electrodes / EEG

Bridge Electrodes



- With silver push pin.
- Push system suitable for correct positioning of the electrode on the skin.
- Universal connector suitable for 2 mm spring pin and crocodile clip.
- Bridge made of ABS plastic material.

| Code | Electrode Material | Size | Bridge Color | Pack |
|-------------|--------------------|-------|--------------|--------|
| BESW000A2 | sintered Ag/AgCl | Adult | ● | 10 pcs |
| BESW000A2-H | sintered Ag/AgCl | Adult | ● | 5 pcs |
| BESW000P2 | sintered Ag/AgCl | Child | ● | 10 pcs |
| BESW000P2-H | sintered Ag/AgCl | Child | ● | 5 pcs |



Assembling Kit for Bridge Electrodes

| Code | Description | Pack |
|----------|---|------|
| BCSET000 | 100 x Cotton pads 28 mm, 100 x rubber rings 8,5 mm 1 covering tool | 1 pc |



Bridge Electrode Bowl

| Code | Description | Pack |
|------------|---|------|
| 1323000101 | Bridge Electrode Bowl for 0,5 l content | 1 pc |

EEG / Silicon Caps Accessories

Replacement Attachment Buttons

· For all silicon and headband caps.

| Code | Description | Pack |
|----------|-------------|--------|
| 2401 | Short thorn | 1 pair |
| 2401-SET | Short thorn | 10 pcs |
| 2402 | Long thorn | 1 pair |
| 2402-SET | Long thorn | 10 pcs |



Replacement Chin Straps

· For all silicon caps.

| Code | Size | Pack |
|------|--------------------------------|--------------|
| 2220 | Length 20 cm, 2 cm wide | 1 pc |
| 2240 | Length 40 cm, 2 cm wide | 1 pc |
| 2260 | Length by the metre, 2 cm wide | by the metre |



Replacement Ear Fixing

· For all silicon caps.

| Code | Description | Pack |
|------|---------------|------|
| 2101 | 37 mm x 50 mm | 1 pc |
| 2102 | 50 mm x 70 mm | 1 pc |



Silicon Caps Accessories / EEG

Z Electrodes



- Z Electrodes are used exclusively in conjunction with head band caps.
- Electrodes material is sintered Ag/AgCl.
- The recording area of the electrodes is 10 mm.
- The 2 mm connecting cable can be used vertically to the electrodes.

| Code | Electrode Material | Color | Pack |
|-----------|--------------------|-------|--------|
| ZELEK-R | sintered Ag/AgCl | ● | 10 pcs |
| ZELEK | sintered Ag/AgCl | ● | 10 pcs |
| ZELEK-R-H | sintered Ag/AgCl | ● | 5 pcs |
| ZELEK-H | sintered Ag/AgCl | ● | 5 pcs |

Fungus Electrodes



- Sintered fungus electrode with silver pin for head band caps.
- Electrodes material is sintered Ag/AgCl.
- The recording area of the electrodes is 10 mm.
- The 2 mm connecting cable can be used both vertically and horizontally to the electrodes.

| Code | Electrode Material | Color | Pack |
|-------------|--------------------|-------|--------|
| BESW00000-H | sintered Ag/AgCl | ● | 5 pcs |
| BESW00000 | sintered Ag/AgCl | ● | 10 pcs |

Cotton Pad Set



- Cotton pads and rubber rings (O-rings).
- To make the assembly on the corresponding electrodes simplify.
- We recommend our assembly cone.

| Code | Description | Pack |
|-------------|---|-------------|
| BEZUG-26-0 | 26 mm / 6,8 mm - for electrode NKBE-0005 | 100/100 pcs |
| BEZUG-28-0 | 28 mm / 8,5 mm - for bridge and fungus electrodes | 100/100 pcs |
| BEZUG-30-0 | 30 mm / 6,8 mm - for bridge and fungus electrodes | 100/100 pcs |
| BEZUG-32-0 | 32 mm / 8,5 mm - for bridge and fungus electrodes | 100/100 pcs |
| BEZUG-32-0Z | 32 mm / 10 mm - for Z electrodes | 100/100 pcs |

EEG / Silicon Caps Accessories

Cotton Pad Set

- You can order cotton pads for bridge, fungus and Z-electrodes without O-rings.
- However, to fit a pad to an electrode, the corresponding O-ring is required.

| Code | Diameter | Pack |
|------------|----------|---------|
| BEZUG-26 | 26 mm | 100 pcs |
| BEZUG-28 | 28 mm | 100 pcs |
| BEZUG-30 | 30 mm | 100 pcs |
| BEZUG-32 | 32 mm | 100 pcs |
| BEZUG-26-2 | 26 mm | 50 pcs |
| BEZUG-28-2 | 28 mm | 50 pcs |
| BEZUG-30-2 | 30 mm | 50 pcs |
| BEZUG-32-2 | 32 mm | 50 pcs |



O-Rings

- For fixing of cotton pads on bridge, fungus and Z-electrodes

| Code | Diameter | Pack |
|--------------|----------|---------|
| O-RING-68 | 6,8 mm | 100 pcs |
| O-RING-78 | 7,8 mm | 100 pcs |
| O-RING-85 | 8,5 mm | 100 pcs |
| O-RING-100 | 10,0 mm | 100 pcs |
| O-RING-68-2 | 6,8 mm | 50 pcs |
| O-RING-78-2 | 7,8 mm | 50 pcs |
| O-RING-85-2 | 8,5 mm | 50 pcs |
| O-RING-100-2 | 10,0 mm | 50 pcs |



Fitting Cone

- Fitting cone enables O-rings and coverings to be easily assembled on the corresponding electrodes.

| Code | Description | Pack |
|--------|-----------------------------------|------|
| PVINS | white - for 14 mm electrode sizes | 1 pc |
| MON-16 | black - for 16 mm electrode sizes | 1 pc |




Ear Electrodes / EEG

Ear Clip Electrode

- Usable as a reference electrode.
- Available in different lengths and with different connectors.




| Code | Electrode Material | Pack |
|--|--------------------|--------|
| EAR1026T0-2 | Sn | 1 pair |
| EAR1026AG-2 | Ag/AgCl | 1 pair |
| EAR1026S0-2 | Sintered Ag/AgCl | 1 pair |
| EAR1026G0-2 | Au | 1 pair |
| Cable Length 100 cm | | |
|  Touch Proof Ø 1,5 mm DIN 42802 | | |

Multi Cap Electrode

- Usable as a reference electrode.
- Available in different lengths and with different connectors.



| Code | Description | Pack |
|--|--|--------|
| OHR-EM-H | Ear Holder Base | 1 pair |
| OHR-EM-26 | Ear Holder Base + sintered Ag/AgCl Electrode | 1 pair |
| OHR-EM-F | Ear Holder Flat | 1 pair |
| OHR-EM-26F | Ear Holder Flat + sintered Ag/AgCl Electrode | 1 pair |
| Cable Length 150 cm | | |
|  Touch Proof Ø 1,5 mm DIN 42802 | | |

Chinagraph Pencils

- For marking electrode positions.



| Code | Color | Pack |
|-----------|--------|--------|
| B0012-1 | Red | 1 pc |
| B0012-2 | Blue | 1 pc |
| B0012-3 | Black | 1 pc |
| B0012-4 | Yellow | 1 pc |
| B0012-1-S | Red | 12 pcs |
| B0012-2-S | Blue | 12 pcs |
| B0012-3-S | Black | 12 pcs |
| B0012-4-S | Yellow | 12 pcs |

EEG / Silicon Cap Accessories

Clamp Electrodes

- Recording area made of tin.
- For adult and children.
- Metallic.

| Code | Description | Pack |
|-----------|-------------------------|--------|
| CLTI00BRM | Adult - black and red | 1 pair |
| CLTIPOBRM | Children- black and red | 1 pair |



Clamp Electrodes

- Recording area made of AgCl.
- For adult and children.

| Code | Description | Pack |
|-----------|-----------------------------------|-------|
| CLAG0000M | Three piece - metallic - adult | 4 pcs |
| CLAGP000M | Three piece - metallic - children | 4 pcs |



Bridge Electrodes Box

- For disinfection of bridges, fungus and Z-electrodes.

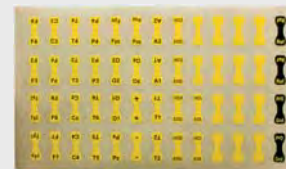
| Code | Description | Pack |
|--------|--------------------|------|
| BE-BOX | with removable tub | 1 pc |



Cable Label

- Labels with different lettering to mark the individual cables.

| Code | Description | Pack |
|-----------|-------------|------|
| ME-KP-SET | 52 Labels | 1 pc |



Head Measure Tape

- To determine the head circumference.

| Code | Description | Pack |
|-----------|---------------|------|
| ME-12-GVB | Length 205 cm | 1 pc |
| ME-12 | Length 143 cm | 1 pc |



Silicon Caps Accessories / EEG



Storage for Caps

· Storage or drying after cleaning.

| Code | Description | Pack |
|---------|----------------------------------|------|
| SPAHR02 | Glass Head - Circumference 57 cm | 1 pc |
| SPAHR03 | Styrofoam - Circumference 54 cm | 1 pc |
| SPAHR04 | Styrofoam - Circumference 58 cm | 1 pc |
| SPAHR05 | Bust - Circumference 58 cm | 1 pc |



Drying for Caps

· Drying after cleaning.

| Code | Description | Pack |
|---------|-------------|------|
| SPAHR01 | Plug system | 1 pc |



Ivory

· Lotion for cleaning the EEG headcap.

| Code | Description | Package | Pack |
|--------|-------------|---------------|------|
| E-16-F | Emulsion | Bottle 700 ml | 1 pc |



Cleaning

| Code | Description | Pack |
|------------|---------------------------------------|---------|
| E-26 | Wooden sticks - flat and pointed side | 100 pcs |
| PUL0000025 | Cleaning brushes - Synthetic fibres | 25 pcs |
| SWAPS | Cotton buds - extra long handle | 100 pcs |

NEURO.CUP.

CUP-ELEKTRODEN
EEG EMG EP

NEURO.TAB.

ADHESIVE SURFACE ELECTRODE
EEG EEG EMG EP IOM



Evoked Potentials

GVB-SPES offer a complete range of electrodes for evoked potential examinations.

All products have been developed to ensure maximum signal quality and patient comfort.

- Cup Electrodes
- Adhesive Electrodes
- Subdermal Needle Electrodes


EP / Cup Electrodes

- Carrier material is made of pure Ag 999.99 ‰ for the highest recorded signal quality.
- The Touchproof Connectors ensure a stable long-term connection to any type of equipment.
- The cable guarantees maximum resistance and flexibility.

Stamped-Adult

- Moulded cable-electrode connection ensures high mechanical strength during use.
- Available material: Silver Silver Chloride (Ag/AgCl), Gold (Au) and Silver (Ag).

| Code | Material | Cup Diameter | Cable Length | Pack |
|------------|----------|--------------|--------------|--------|
| DAGM052600 | Ag/AgCl | 10 mm | 50 cm | 10 pcs |
| DAGM102600 | Ag/AgCl | 10 mm | 100 cm | 10 pcs |
| DAGM152600 | Ag/AgCl | 10 mm | 150 cm | 10 pcs |
| DAGM252600 | Ag/AgCl | 10 mm | 250 cm | 10 pcs |
| DEGM052600 | Au | 10 mm | 50 cm | 10 pcs |
| DEGM102600 | Au | 10 mm | 100 cm | 10 pcs |
| DEGM152600 | Au | 10 mm | 150 cm | 10 pcs |
| DEGM252600 | Au | 10 mm | 250 cm | 10 pcs |
| DESM052600 | Ag | 10 mm | 50 cm | 10 pcs |
| DESM102600 | Ag | 10 mm | 100 cm | 10 pcs |
| DESM152600 | Ag | 10 mm | 150 cm | 10 pcs |
| DESM252600 | Ag | 10 mm | 250 cm | 10 pcs |

 Touch Proof Ø 1,5 mm DIN 42802


Pack of 10 cup electrodes are available in the following colors:



Stamped-Pediatric

- Designed for pediatric patients.
- Reduced diameter of electrode to allow recording in more focused areas.
- Available material Silver Silver Chloride (Ag/AgCl), Gold (Au) and Silver (Ag).

| Code | Material | Cup Diameter | Cable Length | Pack |
|------------|----------|--------------|--------------|--------|
| DAGS052606 | Ag/AgCl | 6 mm | 50 cm | 10 pcs |
| DAGS102606 | Ag/AgCl | 6 mm | 100 cm | 10 pcs |
| DAGS152606 | Ag/AgCl | 6 mm | 150 cm | 10 pcs |
| DAGS252606 | Ag/AgCl | 6 mm | 250 cm | 10 pcs |
| DEGS052606 | Au | 6 mm | 50 cm | 10 pcs |
| DEGS102606 | Au | 6 mm | 100 cm | 10 pcs |
| DEGS152606 | Au | 6 mm | 150 cm | 10 pcs |
| DEGS252606 | Au | 6 mm | 250 cm | 10 pcs |
| DESS052606 | Ag | 6 mm | 50 cm | 10 pcs |
| DESS102606 | Ag | 6 mm | 100 cm | 10 pcs |
| DESS152606 | Ag | 6 mm | 150 cm | 10 pcs |
| DESS252606 | Ag | 6 mm | 250 cm | 10 pcs |

 Touch Proof Ø 1,5 mm DIN 42802

Pack of 10 cup electrodes are available in the following colors:



Cup Electrodes / EP

Casted

Pack of 10 cup electrodes are available in the following colors:



· Ideal cable-electrode connection to avoid corrosion at the junction.

- Autoclavable electrode (available in non-autoclavable version on request).
- Extremely flexible silicone cable.
- Available material Silver Silver Chloride (Ag/AgCl), Gold (Au) and Silver (Ag).

| Code | Material | Cup Diameter | Cable Length | Pack |
|--------------|----------|--------------|--------------|--------|
| DSCSAS102600 | Ag/AgCl | 10 mm | 100 cm | 10 pcs |
| DSCSAS152600 | Ag/AgCl | 10 mm | 150 cm | 10 pcs |
| DSCSAS252600 | Ag/AgCl | 10 mm | 250 cm | 10 pcs |
| DSGSAS102600 | Au | 10 mm | 100 cm | 10 pcs |
| DSGSAS152600 | Au | 10 mm | 150 cm | 10 pcs |
| DSGSAS252600 | Au | 10 mm | 250 cm | 10 pcs |
| DSSSAS102600 | Ag | 10 mm | 100 cm | 10 pcs |
| DSSSAS152600 | Ag | 10 mm | 150 cm | 10 pcs |
| DSSSAS252600 | Ag | 10 mm | 250 cm | 10 pcs |

Touch Proof Ø 1,5 mm DIN 42802

LTM (Long Term Monitoring)

· Specific concept designed to ensure long-term recordings.

- Ultra-thin Teflon cable.
- Autoclavable electrode.
- Available material Silver Silver Chloride (Ag/AgCl) and Gold (Au).

Pack of 10 cup electrodes are available in the following colors:



| Code | Material | Cup Diameter | Cable Length | Pack |
|---------------|----------|--------------|--------------|--------|
| DGAGAT032600 | Ag/AgCl | 10 mm | 30 cm | 10 pcs |
| DGAGAT062600 | Ag/AgCl | 10 mm | 60 cm | 10 pcs |
| DGAGAT0752600 | Ag/AgCl | 10 mm | 75 cm | 10 pcs |
| DGAGAT122600 | Ag/AgCl | 10 mm | 120 cm | 10 pcs |
| DGAGAT152600 | Ag/AgCl | 10 mm | 150 cm | 10 pcs |
| DGAGAT182600 | Ag/AgCl | 10 mm | 180 cm | 10 pcs |
| DGAGAT202600 | Ag/AgCl | 10 mm | 200 cm | 10 pcs |
| DGAGAT242600 | Ag/AgCl | 10 mm | 240 cm | 10 pcs |
| DGAGAT302600 | Ag/AgCl | 10 mm | 300 cm | 10 pcs |
| DGGOAT032600 | Au | 10 mm | 30 cm | 10 pcs |
| DGGOAT062600 | Au | 10 mm | 60 cm | 10 pcs |
| DGGOAT0752600 | Au | 10 mm | 75 cm | 10 pcs |
| DGGOAT122600 | Au | 10 mm | 120 cm | 10 pcs |
| DGGOAT152600 | Au | 10 mm | 150 cm | 10 pcs |
| DGGOAT182600 | Au | 10 mm | 180 cm | 10 pcs |
| DGGOAT202600 | Au | 10 mm | 200 cm | 10 pcs |
| DGGOAT242600 | Au | 10 mm | 240 cm | 10 pcs |
| DGGOAT302600 | Au | 10 mm | 300 cm | 10 pcs |


Touch Proof Ø 1,5 mm DIN 42802

EP / Cup Electrodes

Spider

- The design of the net provides a better contact surface and ensures high mechanical strength during use.
- Available in adult and pediatric versions.
- Available material Silver Silver Chloride (Ag/AgCl) and Gold (Au).

| Code | Material | Cup Diameter | Cable Length | Pack |
|---------------|----------|--------------|--------------|--------|
| SPIDER101026 | Ag/AgCl | 10 mm | 100 cm | 10 pcs |
| SPIDER151026 | Ag/AgCl | 10 mm | 150 cm | 10 pcs |
| SPIDER251026 | Ag/AgCl | 10 mm | 250 cm | 10 pcs |
| SPIDER101026G | Au | 10 mm | 100 cm | 10 pcs |
| SPIDER151026G | Au | 10 mm | 150 cm | 10 pcs |
| SPIDER151026G | Au | 10 mm | 250 cm | 10 pcs |
| SPIDER100626 | Ag/AgCl | 6 mm | 100 cm | 10 pcs |
| SPIDER150626 | Ag/AgCl | 6 mm | 150 cm | 10 pcs |
| SPIDER250626 | Ag/AgCl | 6 mm | 250 cm | 10 pcs |
| SPIDER100626G | Au | 6 mm | 100 cm | 10 pcs |
| SPIDER150626G | Au | 6 mm | 150 cm | 10 pcs |
| SPIDER250626G | Au | 6 mm | 250 cm | 10 pcs |

 Touch Proof Ø 1,5 mm DIN 42802

Pack of 10 cup electrodes are available in the following colors:




Pediatric Version



Sintered Electrodes

- Consists of a sintered disk moulded in an insulating material.
- Excellent signal quality guaranteed by the low impedance of the material.
- Made to ensure long-lasting recordings.
- Available material sintered Silver Silver Chloride (sintered Ag/AgCl).

| Code | Electrode Material | Cup Diameter | Length | Pack |
|-----------|--------------------|--------------|--------|--------|
| Q52-426-B | sintered Ag/AgCl | 6 mm | 100 cm | 1 pair |
| Q52-626-B | sintered Ag/AgCl | 6 mm | 150 cm | 1 pair |
| Q52-826-B | sintered Ag/AgCl | 6 mm | 250 cm | 1 pair |

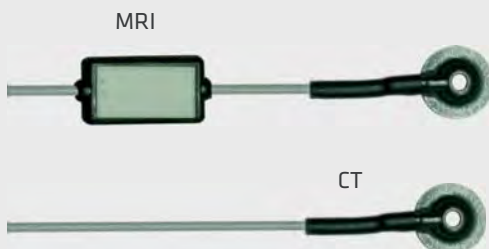
 Touch Proof Ø 1,5 mm DIN 42802



Ø 6 mm / 14 mm

Cup Electrodes / EP


Pack of 10 cup electrodes are available in the following colors



Disposable Electrodes

- Available in single-use integrated cable or reusable detachable cable.
- Highly practical due to lightweight materials.
- Best signal recording due to Ag/AgCl surface.
- Available material Silver Silver Chloride (Ag/AgCl).




| Code | Electrode Material | Cup Diameter | Cable Length | Box |
|------------|--------------------|--------------|--------------|---------------|
| DAGD102600 | Ag/AgCl | 10 mm | 100 cm | 1 pack/10 pcs |
| DAGD152600 | Ag/AgCl | 10 mm | 150 cm | 1 pack/10 pcs |
| DAGD252600 | Ag/AgCl | 10 mm | 250 cm | 1 pack/10 pcs |

 Touch Proof Ø 1,5 mm DIN 42802

Disposable Cup Electrodes

| Code | Electrode Material | Cup Diameter | Cable Length | Pack |
|----------|--------------------|--------------|--------------|---------|
| DAGD0000 | Ag/AgCl | 10 mm | / | 500 pcs |

Cable for Disposable Cup Electrodes

| Code | Cable Length | Connectors | Pack |
|------------|--------------|--|--------|
| DECS102600 | 100 cm |  Ø 1,5 mm | 10 pcs |
| DECS152600 | 150 cm |  Ø 1,5 mm | 10 pcs |
| DECS252600 | 250 cm |  Ø 1,5 mm | 10 pcs |

Disposable MRI and CT Electrodes

- The electrodes can be used in MRI or CT diagnostic techniques.
- Available material Silver Silver Chloride (Ag/AgCl).

| Code | Material | Cup Diameter | Cable Length | Pack |
|---------------|----------|--------------|--------------|--------|
| DAGR102600MRI | Ag/AgCl | 10 mm | 100 cm | 1 pcs |
| DAGR152600MRI | Ag/AgCl | 10 mm | 150 cm | 1 pcs |
| DAGR202600MRI | Ag/AgCl | 10 mm | 200 cm | 1 pcs |
| DAGR102600 | Ag/AgCl | 10 mm | 100 cm | 10 pcs |
| DAGR152600 | Ag/AgCl | 10 mm | 150 cm | 10 pcs |
| DAGR202600 | Ag/AgCl | 10 mm | 200 cm | 10 pcs |

 Touch Proof Ø 1,5 mm DIN 42802

EP / Cup Electrodes

Disposable Electrodes Compatible for MRI



- Designed for safe magnetic resonance imaging.
- The multipole connector eliminates removal of electrodes from patients skin.
- To be used with connection cable.

| Code | Electrode Material | N° Electrodes | Cup Diameter | Pack |
|------------|---------------------|---------------|--------------|-------|
| DCCCCPE-21 | AgAgCl (disposable) | 21 | 10 mm | 1 set |
| DCCCCPE-23 | AgAgCl (disposable) | 23 | 10 mm | 1 set |
| DCCCCPE-25 | AgAgCl (disposable) | 25 | 10 mm | 1 set |

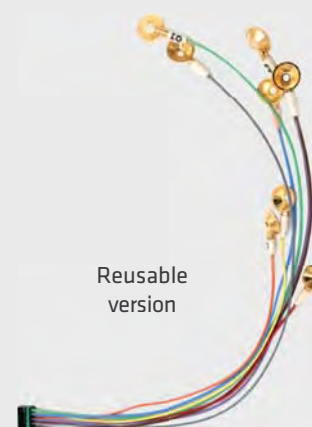


Disposable version

Reusable Electrodes Compatible for MRI



| Code | Electrode Material | N° Electrodes | Cup Diameter | Pack |
|-------------|--------------------|---------------|--------------|-------|
| DGGGOGCE-21 | Au (reusable) | 21 | 10 mm | 1 set |
| DGGGOGCE-23 | Au (reusable) | 23 | 10 mm | 1 set |
| DGGGOGCE-25 | Au (reusable) | 25 | 10 mm | 1 set |




Reusable version

Connecting Cable

| Code | N° of Contacts | Pack |
|-----------|----------------|------|
| BECHAR-21 | 21 | 1 pc |
| BECHAR-23 | 23 | 1 pc |
| BECHAR-25 | 25 | 1 pc |

Cable Length 100 cm

 Touch Proof Ø 1,5 mm DIN 42802



Cup Electrodes Accessories / EP



Compressor and Applicator

- The compressed electrode-applicator was specifically constructed for serving of COLLODION or other similar custody materials with EEG-electrodes.
- Their interchangeable tip fits precisely into the electrode-opening.
- The compressed air-pistol was developed for the work with low pressure (maximum 0,6 Bar/10 PSI admittance-atmospheric pressure) develops.

| Code | Description | Pack |
|--------------|------------------------------|------|
| B0007 | Applicator | 1 pc |
| B0113 | Replacement Tip | 1 pc |
| B0007-05-250 | Replacement Tube - 2,5 meter | 1 pc |



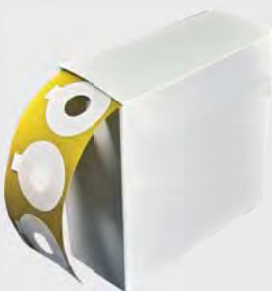
| | | |
|-----------|---|-------|
| B0112 | Compressor + Applicator + 2,5 m Tube | 1 set |
| B0112-G | Compressor with Housing + Applicator + 2,5 m Tube | 1 set |
| B0115 | Compressor with On/Off Rocker Switch | 1 set |
| B0115-G | Compressor with Housing and On/Off Rocker Switch | 1 set |
| B0116 | Housing | 1 pc |
| B0117 | On/Off Rocker Switch | 1 pc |
| 463022400 | Coupler Tube | 1 pc |
| 463121200 | Coupler Device | 1 pc |



Foot Switch

- Footswitch to turn the compressor on and off.

| | | |
|-----------|----------------------------|------|
| 2410-1001 | Foot Switch for Compressor | 1 pc |
|-----------|----------------------------|------|



Dual side adhesive rings









- Dual side adhesive rings secure the adhesion for longer periods.

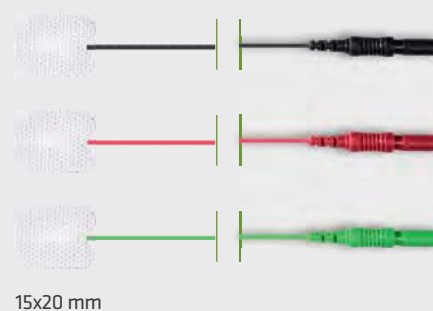
| Code | Outer Diameter / Internal Diameter | Content | Pack |
|------|------------------------------------|-----------|------|
| T-01 | 40 mm / 16 mm | 500 rings | 1 pc |
| T-02 | 30 mm / 10 mm | 500 rings | 1 pc |
| T-03 | 20 mm / 8 mm | 500 rings | 1 pc |
| T-04 | 20 mm / 9,5 mm | 500 rings | 1 pc |
| T-05 | 30 mm / 15 mm | 500 rings | 1 pc |
| T-06 | 13 mm / 5 mm | 500 rings | 1 pc |
| T-08 | 20 mm / 5 mm | 500 rings | 1 pc |
| T-09 | 25 mm / 11 mm | 500 rings | 1 pc |

EP / Adhesive Electrodes

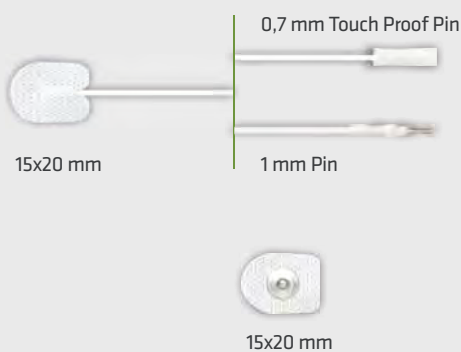
Adhesive Electrodes

- Hydrogel guarantees excellent adhesion and repositioning even at different times.
- High quality recordings due to low impedance.
- Indicated for long-term testing.
- Hydrogel consists of biocompatible materials that has been tested on the most delicate skin types.
- Available in different shapes and sizes to allow ideal recordings.
- Material of the following adhesive electrodes (page 79-81) is Ag/AgCl.

| Code | Size | Connectors | Cable Length | Box |
|--------------|----------|--|--------------|-----------------|
| DENIS01526 | 15x20 mm |  Ø 1,5 mm | 15 cm | 20 pack/120 pcs |
| DENIS10026 | 15x20 mm |  Ø 1,5 mm | 100 cm | 20 pack/120 pcs |
| DENIS15026 | 15x20 mm |  Ø 1,5 mm | 150 cm | 20 pack/120 pcs |
| DENIS25026 | 15x20 mm |  Ø 1,5 mm | 250 cm | 20 pack/120 pcs |
| DENIS01526-H | 15x20 mm |  Ø 1,5 mm | 15 cm | 10 pack/ 60 pcs |
| DENIS10026-H | 15x20 mm |  Ø 1,5 mm | 100 cm | 10 pack/ 60 pcs |
| DENIS15026-H | 15x20 mm |  Ø 1,5 mm | 150 cm | 10 pack/ 60 pcs |
| DENIS25026-H | 15x20 mm |  Ø 1,5 mm | 250 cm | 10 pack/ 60 pcs |

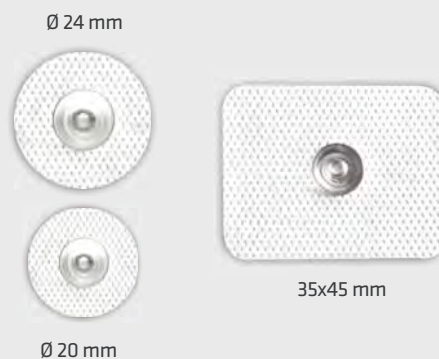


| Code | Size | Connectors | Cable Length | Box |
|--------------|----------|------------------------|--------------|------------------|
| DENIS00807 | 15x20 mm | 0,7 mm Touch Proof Pin | 8 cm | 20 pack/240 pcs |
| DENIS00830 | 15x20 mm | 1 mm Pin | 8 cm | 20 pack/240 pcs |
| DENIS01520 | 15x20 mm | Snap | / | 20 pack/400 pcs |
| DENIS01500 | 15x20 mm | Bipolar | 15 cm | 20 pack/120 pcs |
| DENIS00807-H | 15x20 mm | 0,7 mm Touch Proof Pin | 8 cm | 10 pack/ 120 pcs |
| DENIS00830-H | 15x20 mm | 1 mm Pin | 8 cm | 10 pack/ 120 pcs |
| DENIS01520-H | 15x20 mm | Snap | / | 10 pack/200 pcs |
| DENIS01500-H | 15x20 mm | Bipolar | 15 cm | 10 pack/ 60 pcs |



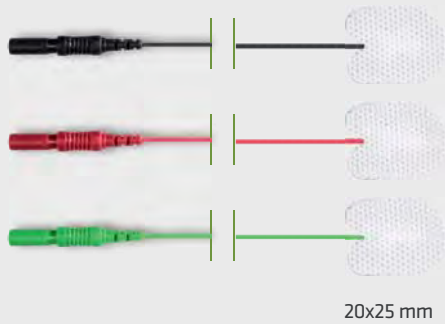
Snap Adhesive Electrodes

| Code | Size | Connectors | Box |
|--------------|----------|------------|-------------------|
| CDES000024 | Ø 24 mm | Snap | 20 pack / 500 pcs |
| CDES003545 | 35x45 mm | Snap | 20 pack / 80 pcs |
| CDES003545-H | 35x45 mm | Snap | 10 pack / 40 pcs |

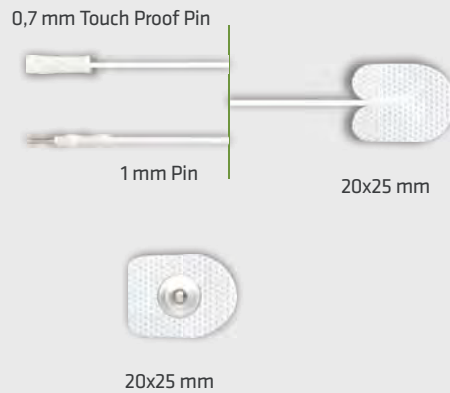


Adhesive Electrodes

· For description please see adhesive electrodes left.



| Code | Size | Connectors | Cable Length | Box |
|--------------|----------|------------|--------------|-----------------|
| DENIL01526 | 20x25 mm | Ø 1,5 mm | 15 cm | 20 pack/120 pcs |
| DENIL10026 | 20x25 mm | Ø 1,5 mm | 100 cm | 20 pack/120 pcs |
| DENIL15026 | 20x25 mm | Ø 1,5 mm | 150 cm | 20 pack/120 pcs |
| DENIL25026 | 20x25 mm | Ø 1,5 mm | 250 cm | 20 pack/120 pcs |
| DENIL01526-H | 20x25 mm | Ø 1,5 mm | 15 cm | 10 pack/ 60 pcs |
| DENIL10026-H | 20x25 mm | Ø 1,5 mm | 100 cm | 10 pack/ 60 pcs |
| DENIL15026-H | 20x25 mm | Ø 1,5 mm | 150 cm | 10 pack/ 60 pcs |
| DENIL25026-H | 20x25 mm | Ø 1,5 mm | 250 cm | 10 pack/ 60 pcs |



| Code | Size | Connectors | Cable Length | Box |
|--------------|----------|------------------------|--------------|------------------|
| DENIL00807 | 20x25 mm | 0,7 mm Touch Proof Pin | 8 cm | 20 pack/240 pcs |
| DENIL00830 | 20x25 mm | 1 mm Pin | 8 cm | 20 pack/240 pcs |
| DENIL02025 | 20x25 mm | Snap | / | 20 pack/400 pcs |
| DENIL01500 | 20x25 mm | Bipolar | 15 cm | 20 pack/ 120 pcs |
| DENIL00807-H | 20x25 mm | 0,7 mm Touch Proof Pin | 8 cm | 10 pack/ 120 pcs |
| DENIL00830-H | 20x25 mm | 1 mm Pin | 8 cm | 10 pack/ 120 pcs |
| DENIL02025-H | 20x25 mm | Snap | / | 10 pack/ 200 pcs |
| DENIL01500-H | 20x25 mm | Bipolar | 15 cm | 10 pack/ 60 pcs |



Ground Adhesive Electrodes







| Code | Size | Connectors | Cable Length | Box/Pz |
|--------------|----------|------------|--------------|------------------|
| DENIG15026 | 35x45 mm | Ø 1,5 mm | 150 cm | 20 pack /80 pcs |
| DENIG15026-H | 35x45 mm | Ø 1,5 mm | 150 cm | 10 pack / 40 pcs |

EP / Adhesive Electrodes

New +

NCS Adhesive Electrodes

· High quality adhesive electrodes (Ag/AgCl) for excellent recordings and high resistance to usage.

| Code | Size | Connectors | Cable Length | Box |
|--------------|----------|--|--------------|-------------------|
| DENIB00807 | 30x22 mm | 0,7 mm Touch Proof Pin | 8 cm | 20 pack / 120 pcs |
| DENIB10026 | 30x22 mm |  Ø 1,5 mm | 100 cm | 20 pack / 120 pcs |
| DENIB15026 | 30x22 mm |  Ø 1,5 mm | 150 cm | 20 pack / 120 pcs |
| DENIB25026 | 30x22 mm |  Ø 1,5 mm | 250 cm | 20 pack / 120 pcs |
| DENIB00807-H | 30x22 mm | 0,7 mm Touch Proof Pin | 8 cm | 10 pack / 60 pcs |
| DENIB10026-H | 30x22 mm |  Ø 1,5 mm | 100 cm | 10 pack / 60 pcs |
| DENIB15026-H | 30x22 mm |  Ø 1,5 mm | 150 cm | 10 pack / 60 pcs |
| DENIB25026-H | 30x22 mm |  Ø 1,5 mm | 250 cm | 10 pack / 60 pcs |

Recording Area 10 mm




New +

Adhesive Electrodes for Sleep or Long Term Monitoring

· Material silver chloride (Ag/AgCl) is suitable for PSG and highly durable.
 · Small size for pediatric and facial use.
 · Excellent recording performance.

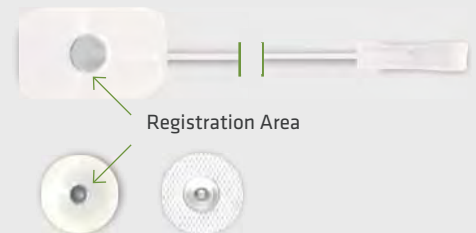
| Code | Size | Ø Recording Area | Cable Length | Box |
|--------------|----------|------------------|--------------|-------------------|
| DENIF10026 | 30x22 mm | 10 mm | 100 cm | 20 pack / 120 pcs |
| DENIF15026 | 30x22 mm | 10 mm | 150 cm | 20 pack / 120 pcs |
| DENIF25026 | 30x22 mm | 10 mm | 250 cm | 20 pack / 120 pcs |
| DENIF10026-H | 30x22 mm | 10 mm | 100 cm | 10 pack / 60 pcs |
| DENIF15026-H | 30x22 mm | 10 mm | 150 cm | 10 pack / 60 pcs |
| DENIF25026-H | 30x22 mm | 10 mm | 250 cm | 10 pack / 60 pcs |

 Touch Proof Ø 1,5 mm DIN 42802



Adhesive Electrodes with Reduced Recording Area

| Code | Ø Recording Area | Connectors | Cable Length | Box |
|------------|------------------|------------------------|--------------|--------|
| DENID00807 | 6 mm | 0,7 mm Touch Proof Pin | 8 cm | 50 pcs |
| DAEDS1604 | 4 mm | Snap | / | 25 pcs |











Adhesive Electrodes / EP

Adhesive Electrodes

- Excellent recording performance of the ECG signal.
- Hydrogel ensures excellent and constant adhesion to the patients skin.
- The electrode can be repositioned many times without reducing its adhesion.
- Hydrogel is very gentle so it can be applied on every type of skin, even the most sensitive ones.



| Code | Electrode Diameter | Cable Length | Connectors | Box |
|-----------------|--------------------|--------------|--|-----------------|
| CDE0201026 (-H) | 20 mm | 100 cm |  Ø 1,5 mm | 40 pack/120 pcs |
| CDE0201526 (-H) | 20 mm | 150 cm |  Ø 1,5 mm | 40 pack/120 pcs |
| CDE0241026 (-H) | 24 mm | 100 cm |  Ø 1,5 mm | 40 pack/120 pcs |
| CDE0241526 (-H) | 24 mm | 150 cm |  Ø 1,5 mm | 40 pack/120 pcs |
| CDER201026 (-H) | 20 mm | 100 cm |  Ø 1,5 mm | 40 pack/120 pcs |
| CDER201526 (-H) | 20 mm | 150 cm |  Ø 1,5 mm | 40 pack/120 pcs |
| CDER241026 (-H) | 24 mm | 100 cm |  Ø 1,5 mm | 40 pack/120 pcs |
| CDER241526 (-H) | 24 mm | 150 cm |  Ø 1,5 mm | 40 pack/120 pcs |
| CDES000024 (-H) | 24 mm | / | Snap | 20 pack/500 pcs |

You will receive half the packing unit if you use **-H** in the code.

Tab Adhesive Electrodes



| Code | Recording Area | Material | Box |
|----------------|----------------|----------|--------------------|
| TABSMP000014 | 22 x 14 mm | Ag/AgCl | 25 pack / 2500 pcs |
| TABSM0000025 | 22 x 20 mm | Ag/AgCl | 25 pack / 2500 pcs |
| TABSMP000014-H | 22 x 14 mm | Ag/AgCl | 10 pack / 1000 pcs |
| TABSM0000025-H | 22 x 20 mm | Ag/AgCl | 10 pack / 1000 pcs |
| TABSMP000K100 | 22 x 14 mm | Ag/AgCl | 1 pack / 100 pcs |
| TABSM000K100 | 22 x 20 mm | Ag/AgCl | 1 pack / 100 pcs |

EP / Disposable Subdermalneedle

Disposable Subdermal Needle

· Subdermal Needle made of steel.

| Code | Needle Length | Needle Ø | Cable Length | Connectors | Pack |
|------------|---------------|----------|--------------|------------|-------------|
| MN3512P105 | 12 mm | 0,35 mm | 8 cm | 1 mm Pin | 5 x 5 pcs |
| MN3512P125 | 12 mm | 0,35 mm | 8 cm | 1 mm Pin | 25 x 1 pcs |
| MN3512P150 | 12 mm | 0,35 mm | 8 cm | 1 mm Pin | 50 x 5 pcs |
| MN3512P100 | 12 mm | 0,35 mm | 8 cm | 1 mm Pin | 100 x 1 pcs |
| MN3512P817 | 12 mm | 0,35 mm | 8 cm | 0,7 mm | 5 x 5 pcs |
| MN3512P827 | 12 mm | 0,35 mm | 8 cm | 0,7 mm | 25 x 1 pcs |



Disposable Subdermal Needle

· Subdermal Needle made of steel.

| Code | Needle Length | Needle Ø | Cable Length | Connectors | Pack |
|------------|---------------|----------|--------------|------------|-------------|
| MN3518P105 | 18 mm | 0,35 mm | 8 cm | 1 mm Pin | 5 x 5 pcs |
| MN3518P125 | 18 mm | 0,35 mm | 8 cm | 1 mm Pin | 25 x 1 pcs |
| MN3518P150 | 18 mm | 0,35 mm | 8 cm | 1 mm Pin | 50 x 5 pcs |
| MN3518P100 | 18 mm | 0,35 mm | 8 cm | 1 mm Pin | 100 x 1 pcs |




Hook Steel Needle Electrodes


· Our hook needle electrodes provide excellent signal recording and effective stimulation on the patient.

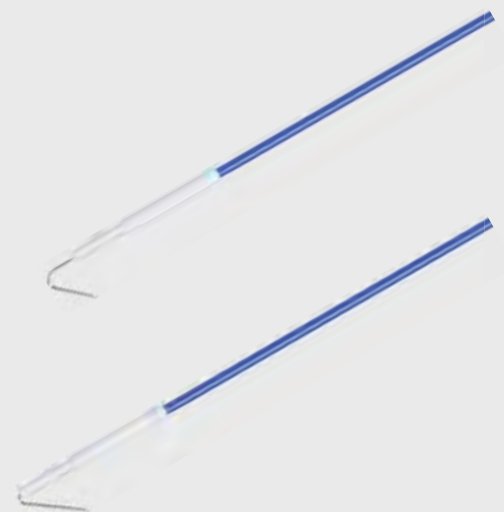
· As recently published (American Society of Neurophysiological Monitoring Guidelines), the curved electrode needles guarantee a greater stability of the signal without risk of needle breakage.

| Code | Needle length | Needle Diameter | Cable Length | Pack |
|-------------|---------------|-----------------|--------------|--------|
| MN4013HD10S | 13 mm | 0,40 mm | 100 cm | 24 pcs |
| MN4013HD15S | 13 mm | 0,40 mm | 150 cm | 24 pcs |
| MN4013HD25S | 13 mm | 0,40 mm | 250 cm | 24 pcs |

 Touch Proof Ø 1,5 mm DIN 42802

| Code | Needle length | Needle Diameter | Cable Length | Pack |
|-------------|---------------|-----------------|--------------|--------|
| MN4021CD10S | 21 mm | 0,40 mm | 100 cm | 24 pcs |
| MN4021CD15S | 21 mm | 0,40 mm | 150 cm | 24 pcs |
| MN4021CD25S | 21 mm | 0,40 mm | 250 cm | 24 pcs |

 Touch Proof Ø 1,5 mm DIN 42802



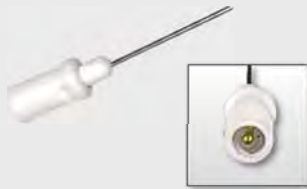
Subdermal Needle Electrodes / EP



Disposable scalp needle electrode

· with 1 mm Pin connector

| Code | Needle length | Needle Diameter | Needle Material | Pack |
|--------------|---------------|-----------------|-----------------|--------|
| MN4013P1N10R | 13 mm | 0,40 mm | steel | 10 pcs |
| MN4013P1N1TR | 13 mm | 0,40 mm | titanium | 10 pcs |



Disposable Subdermal Needle

| Code | Needle length | Description | Needle Diameter | Pack |
|------------|---------------|----------------------|-----------------|--------|
| MN3010F075 | 10 mm | 0,7 mm Pin connector | 0,35 mm | 40 pcs |



Disposable Subdermal Needle

· with 1 mm PIN connector.

| Code | Needle length | Needle Diameter | Pack |
|------------|---------------|-----------------|-------------|
| MN3512F125 | 12 mm | 0,35 mm | 25 x 1 pcs |
| MN3512F105 | 12 mm | 0,35 mm | 5 x 5 pcs |
| MN3512F100 | 12 mm | 0,35 mm | 100 x 1 pcs |
| MN3512F110 | 12 mm | 0,35 mm | 50 x 5 pcs |



Reusable Subdermal Needle

· with 2 mm socket.

| Code | Needle Length | Needle Diameter | Pack |
|------------|---------------|-----------------|--------|
| MN4012F20R | 12 mm | 0,40 mm | 10 pcs |

Connecting cable can be found on page 104 - 106



GVB-SPES is passionately focused on the study and the creation of a wide range of electrodes for EMG, NCS and PE.

Thanks to our vast experience, we were able to develop excellent production techniques.

- Electrodes for Stimulation and Registration
 - Monopolar Needles
 - Single fiber Needles
 - Concentric Needles
 - Pudendal Electrodes

EMG / Disposable Needle Electrodes

Upgrade +

MYOLINE - Concentric Needle Electrode

- Our new sharpening provides excellent penetration of the needle and less trauma for the patient. Core wire made of steel.
- Golden connector for best recording.
- 100% quality control on manufactured needles.
- Ergonomic handle with area indicator marker.

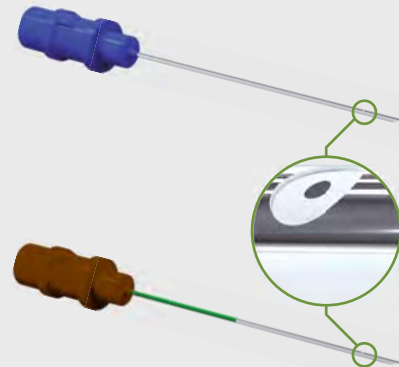
| Code | Length | Diameter | Color | Rec area mm ² | Pack |
|-------------|--------|----------|-------|--------------------------|--------|
| D039035205 | 20 mm | 0,35 mm | ○ | 0,02 | 25 pcs |
| D0390302511 | 25 mm | 0,30 mm | ● | 0,02 | 25 pcs |
| D039035302 | 30 mm | 0,35 mm | ● | 0,07 | 25 pcs |
| D0390453010 | 30 mm | 0,45 mm | ● | 0,07 | 25 pcs |
| D039035408 | 40 mm | 0,35 mm | ● | 0,07 | 25 pcs |
| D039045401 | 40 mm | 0,45 mm | ● | 0,07 | 25 pcs |
| D039045504 | 50 mm | 0,45 mm | ● | 0,07 | 25 pcs |
| D039035503 | 50 mm | 0,35 mm | ● | 0,07 | 25 pcs |
| D039045607 | 60 mm | 0,45 mm | ● | 0,07 | 25 pcs |
| D039060706 | 75 mm | 0,60 mm | ● | 0,07 | 25 pcs |



Single Fiber Needle Electrode

- Recording area on a small side opposite to the cutting edge and close from the tip.
- The Macro version is made with the insulated cannula.
- Core wire made of steel.

| Code | Length | Diameter | Model | Rec area mm ² | Pack |
|---------------|--------|----------|--------------|--------------------------|-------|
| DSFN380452506 | 25 mm | 0,45 mm | Single Fiber | 0,0011 | 5 pcs |
| DSFN380453707 | 37 mm | 0,45 mm | Single Fiber | 0,0011 | 5 pcs |
| DSFN380453705 | 37 mm | 0,45 mm | Macro | 0,0011 | 5 pcs |



Connection Cable

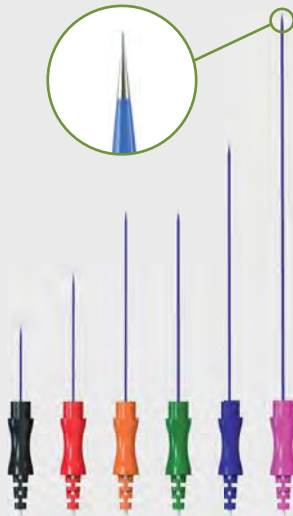
- Connection cables for bipolar needles (Concentric, Single Fiber and Macro).
- Made with extra flexible material and with moulded connection.
- Different lengths and connectors are available on request for any EMG equipment.

| Code | Cable Length | Connectors | Pack |
|-------------|--------------|--------------|------|
| 10000NNHF3 | 100 cm | ⊕ 5 pole din | 1 pc |
| 100200NNHF3 | 200 cm | ⊕ 5 pole din | 1 pc |

Other connectors on request




Disposable Needle Electrodes / EMG



Monopolar Needle Electrode

- Teflon isolation and sharpening ensure excellent recording and maximum smoothness.
- Ergonomic moulded handgrip.

| Code | Length | Diameter | Color | Rec area mm ² | Pack |
|------------|--------|----------|-------|--------------------------|--------|
| TFDN261500 | 15 mm | 0,35 mm | ● | 0,28 | 25 pcs |
| TFDN262500 | 25 mm | 0,35 mm | ● | 0,28 | 25 pcs |
| TFDN263700 | 37 mm | 0,35 mm | ● | 0,28 | 25 pcs |
| TFDN263745 | 37 mm | 0,45 mm | ● | 0,34 | 25 pcs |
| TFDN265045 | 50 mm | 0,45 mm | ● | 0,34 | 25 pcs |
| TFDN267545 | 75 mm | 0,45 mm | ● | 0,34 | 25 pcs |


 Touch Proof Ø 1,5 mm DIN 42802
 Cable Length 120 cm



Monopolar Needle Electrode

- Isolation and sharpening ensure excellent recording and maximum smoothness.
- Ergonomic moulded handgrip.

| Code | Length | Diameter | Color | Rec area mm ² | Pack |
|----------|---------------|----------|-------|--------------------------|---------|
| STFDN-V1 | 15 mm & 25 mm | 0,35 mm | ● ● | 0,28 & 0,28 | 25 pair |
| STFDN-V2 | 15 mm & 37 mm | 0,35 mm | ● ● | 0,28 & 0,28 | 25 pair |
| STFDN-V3 | 15 mm & 37 mm | 0,35 mm | ● ● | 0,28 & 0,28 | 25 pair |


 Touch Proof Ø 1,5 mm DIN 42802
 Cable Length 120 cm



MIOBOT - Hypodermic Needle Electrode for Injection

- Moulded handgrip with connector for syringe insertion and cable for connection to the device.
- Can be used with traditional hypodermic needle syringes with Luer-Lock attachment ensuring a safe connection of the needle to the syringe.
- Isolated cannula except for the tip.

| Code | Length | Diameter | Color | Pack |
|------------|--------|----------|-------|--------|
| MIOBOT2530 | 25 mm | 0,30 mm | ● | 10 pcs |
| MIOBOT2540 | 25 mm | 0,40 mm | ● | 10 pcs |
| MIOBOT3745 | 37 mm | 0,45 mm | ● | 10 pcs |
| MIOBOT5050 | 50 mm | 0,50 mm | ○ | 10 pcs |
| MIOBOT7570 | 75 mm | 0,70 mm | ● | 10 pcs |



 Touch Proof Ø 1,5 mm DIN 42802
 Cable Length 76 cm

+ Upgrade

EMG / Stimulation and Recording

Bipolar Stimulating Electrode



- Golden felter spots for better electrical conduction.
- Shielded multipolar cable ensuring the best electrical insulation.
- Velcro strap, pair of metal electrodes (SFERSTILS) and 10 replacement felts (FELT0610) are included in the package.

| | | | | |
|-----------|-------|--|--------|------|
| STIL1526S | 25 mm |  Ø 1,5 mm | 150 cm | 1 pc |
| STIL1571S | 25 mm |  5 pole din | 150 cm | 1 pc |





Bipolar Stimulating Electrode

- Velcro strap, pair of metal electrodes (SFERSTIS) and 10 replacement felts (FELT0310) are included in the package.

| Code | Electrode Distance | Connectors | Cable Length | Pack |
|-----------|--------------------|--|--------------|------|
| STIS1526S | 10 mm |  Ø 1,5 mm | 150 cm | 1 pc |
| STIS1571S | 10 mm |  5 pole din | 150 cm | 1 pc |

Surface Recording Bar Electrode



- Ag/AgCl electrodes placed inside an insulated shell felt placement.
- Shielded multipolar cable for best electrical insulation.
- Velcro strap and 10 replacement felts (FELT2010) included.

| Code | Electrode Distance | Connectors | Cable Length | Pack |
|------------|--------------------|--|--------------|------|
| STRCG01526 | 40 mm |  Ø 1,5 mm | 150 cm | 1 pc |
| STRCG01571 | 40 mm |  5 pole din | 150 cm | 1 pc |



Shielded stimulation electrode

- Ag/AgCl electrodes placed inside an insulated gold shell placement.
- Stimulation electrode with flexible, lightweight cable.
- Ergonomic and durable handgrip.
- Packaging contents 1 electrode, 2 stimulation balls, 10 replacement felts (FELT0610), 1 velcro strap.

| Code | Electrode Distance | Connectors | Cable Length | Pack |
|------------|--------------------|--|--------------|------|
| STIL1526WS | 24 mm |  Ø 1,5 mm | 150 cm | 1 pc |
| STIL1571WS | 24 mm |  5 pole din | 150 cm | 1 pc |





Stimulation and Recording / EMG



Bipolar Stimulation Electrode

- Packaging contents 1 electrode, 2 stimulation balls (SFERSTIM), 10 felts (FELT0710), 1 velcro strap.
- Stimulation balls with screw thread.

| Code | Electrode Distance | Connectors | Cable Length | Pack |
|-----------|--------------------|--|--------------|------|
| STIM1526S | 28 mm |  Ø 1,5 mm | 150 cm | 1 pc |
| STIM1571S | 28 mm |  5 pole din | 150 cm | 1 pc |

Accessories

| Code | Description | Pack |
|----------|---|--------|
| FELT0710 | Replacement felts 7x7 mm for stim. electrode (cod. STIM) | 10 pcs |
| SFERSTIM | Replacement steel ball tips for stimulation electrode (cod. STIM) | 2 pcs |

Accessories Stimulation Inserts

- Stimulations Inserts are made of stainless steel.



| Code | Description | Pack |
|-----------|------------------------|-------|
| SFERSTIL | Stimulation ball large | 2 pcs |
| SFERSTIS | Stimulation ball mini | 2 pcs |
| SFERSTILS | Stimulation ball small | 2 pcs |
| SFERSTILZ | Stimulation waffle | 2 pcs |
| SFERSTILB | Stimulation hollow | 2 pcs |

Fixing Band



| Code | Description | Band Length/Width | Pack |
|----------------|-------------------------------------|-------------------|-------|
| VELCROBLU30/3 | Velcro fixing band (for STIL; STRC) | 30 cm / 2 cm | 3 pcs |
| VELCROBLU55/3 | Velcro fixing band (for STIL, STRC) | 55 cm / 2 cm | 3 pcs |
| VELCROBLU100/3 | Velcro fixing band (for STIL, STRC) | 100 cm / 2 cm | 3 pcs |
| VELCROBLUS30/3 | Velcro fixing band (for STIS) | 30 cm / 1 cm | 3 pcs |









Felts

| Code | Description | Dimensions | Pack |
|----------|-------------------|---------------------|--------|
| FELT0610 | Replacement felts | 5 mm x 6 mm | 10 pcs |
| FELT0310 | Replacement felts | 3 mm x 8 mm | 10 pcs |
| FELT2010 | Replacement felts | 6 mm x 8 mm x 20 mm | 10 pcs |

EMG / Stimulation and Recording

Surface Bipolar Bar Stimulation Electrode

- Pair of 10 mm diameter stainless steel electrodes for gel insertion that also facilitates its use in repeated stimulation.
- With the BAIM model you can fasten an elastic band on the back of the stimulating bar.













| Code | Electrode Distance | Connectors | Cable Length | Pack |
|------------|--------------------|--|-----------------|------|
| BAIM0026 | 30 mm |  Ø 1,5 mm | 100 cm | 1 pc |
| BAIM0071SH | 30 mm |  5 pole din | 100 cm Shielded | 1 pc |
| BARR0026 | 30 mm |  Ø 1,5 mm | 100 cm | 1 pc |
| BARR0071SH | 30 mm |  5 pole din | 100 cm Shielded | 1 pc |
| BAI0026 | 30 mm |  Ø 1,5 mm | 100 cm | 1 pc |
| BAI0071SH | 30 mm |  5 pole din | 100 cm Shielded | 1 pc |

Other cable lengths on request.

| Code | Description | Pack |
|----------|---|------|
| RUB00025 | Fastening rubber band for BAIM 2,5 x 45 cm - latex free 20 mm distance from hole to hole | 1 pc |

Digital Ring Electrodes

- Pair of ring electrodes for recording and stimulation.
- Spring electrode made of medical stainless steel and velcro.

| Code | Loop thickness/Material | Connectors | Cable Length | Pack |
|----------------|-------------------------|--|-----------------|------|
| SRRING0126SHF | 2,4 mm - steel |  Ø 1,5 mm | 100 cm shielded | 1 pc |
| SRRING0171SHF | 2,4 mm - steel |  5 pole din | 100 cm shielded | 1 pc |
| SRRING1526SHF | 2,4 mm - steel |  Ø 1,5 mm | 150 cm shielded | 1 pc |
| SRRING1571SHF | 2,4 mm - steel |  5 pole din | 150 cm shielded | 1 pc |
| SRRINGS0126SHF | 1,45 mm - steel |  Ø 1,5 mm | 100 cm shielded | 1 pc |
| SRRINGS0171SHF | 1,45 mm - steel |  5 pole din | 100 cm shielded | 1 pc |
| SRRINGS1526SHF | 1,45 mm - steel |  Ø 1,5 mm | 150 cm shielded | 1 pc |
| SRRINGS1571SHF | 1,45 mm - steel |  5 pole din | 150 cm shielded | 1 pc |
| SRCOL1026F | 10 mm - velcro |  Ø 1,5 mm | 100 cm shielded | 1 pc |
| SRCOL1071F | 10 mm - velcro |  5 pole din | 100 cm shielded | 1 pc |
| SRCOL1526F | 10 mm - velcro |  Ø 1,5 mm | 150 cm shielded | 1 pc |
| SRCOL1571F | 10 mm - velcro |  5 pole din | 150 cm shielded | 1 pc |

BAIM



BARR 30 mm



BAI 30 mm



30 mm



Stimulation and Recording / EMG

Finger Toe Stimulation Electrode

- Electrode consists of a velcro strip to attach to finger or toe.
- With 0,7mm Pin connection.



| Code | Description | Colour | Pack |
|------------|---------------|--------|--------|
| SRCOLV0000 | without cable | ● ○ | 1 pair |

Connecting cable - shielded

| Code | Electrode Side | Device Side | Cable Length | Pack |
|------------|--------------------|---------------|--------------|------|
| 1002MED71F | 2 x 0,7 mm socket | 5 pole din | 100 cm | 1 pc |
| 1002MED26F | 2 x 0,7 mm socket | 2 x Ø 1,5 mm | 100 cm | 1 pc |

STIM/REC Electrode System

- Stimulating and recording electrodes system for greater accuracy in signal recording by also using different accessories, if needed.
- Save your electromyograph headbox avoiding continuous connection and disconnection of the electrodes.



| Code | Description | Pack |
|--------------------|-----------------------------------|------|
| SRRING0000 | Steel spring ring electrodes | 1 pc |
| SRRINGS000 | Thin steel spring ring electrodes | 1 pc |
| SRFLATS000 | AgAgCl Flat Electrodes, Ø 8 mm | 1 pc |
| SRDISC0000 | Au Disc Electrodes, Ø 10mm | 1 pc |
| SRSOC0000 | 1 mm connectors | 1 pc |
| SRSTUD0000 | Snap connectors | 1 pc |
| SRCLIP0000 | Crocodile connectors | 1 pc |
| Cable Length 15 cm | | |

Connection Cable for STIM/REC Electrodes System





| Code | Connectors | Cable Length | Pack |
|------------|------------|--------------|------|
| 10000NNHF3 | 5 pole din | 100 cm | 1 pc |
| 1000SCNHFN | Ø 1,5 mm | 100 cm | 1 pc |

EMG / Stimulation and Recording

Surface Disc Electrode



- Made of stainless steel.
- 1,5mm DIN plug with twisted cable (red/black), with 5 pole DIN plug.

| Code | Diameter | Connectors | Cable Length | Pack |
|-------------|----------|--|--------------|------|
| SRFLATP1026 | 10 mm |  Ø 1,5 mm | 100 cm | 1 pc |
| SRFALTP1071 | 10 mm |  5 pole din | 100 cm | 1 pc |



Surface Waffle Electrode

- For motor and sensitive response potential at extremities.
- Also suitable for recording on the face.

| Code | Diameter | Connectors | Cable Length | Pack |
|-------------|----------|--|--------------|------|
| SRFLATW1226 | 10 mm |  Ø 1,5 mm | 100 cm | 1 pc |
| SRFALTW1271 | 10 mm |  5 pole din | 100 cm | 1 pc |



Disc Electrodes

- Pair of 10 mm diameter golden disc electrodes for stimulation and recording.
- Available in different cable lengths, connectors and configurations.

| Code | Diameter | Material | Connectors | Cable Length | Pack |
|---------------|----------|----------|--|-----------------|------|
| SRDISC0126T | 10 mm | Au |  Ø 1,5 mm | 100 cm | 1 pc |
| SRDISC0171SHF | 10 mm | Au |  5 pole din | 100 cm Shielded | 1 pc |



Vaginal Probe

- It can be used with and without pelvic floor contraction indicator.
- For comfortable and effective application with muscle stimulation devices.

| Code | Connectors | Pack |
|----------|-------------|------|
| PERIFORM | 2 mm socket | 1 pc |



Anal Probe

- For use as intra anal probe. Only to be used with in conjunction with muscle stimulation and EEG biofeedback devices.

| Code | Connectors | Pack |
|---------|-------------|------|
| ANUFORM | 2 mm socket | 1 pc |



Stimulation and Recording / EMG

Ground Band Electrodes

- High quality recording.
- Elastic material which guarantees excellent patient comfort.
- Pulled through with finest stainless steel threads.



| Code | Inherent resistance | Length / Width | Pack |
|------------|---------------------|----------------|------|
| GDRG002500 | 50 OHM | 25 cm / 20 mm | 1 pc |
| GDRG004000 | 50 OHM | 40 cm / 20 mm | 1 pc |
| GDRG007000 | 50 OHM | 70 cm / 20 mm | 1 pc |
| GDRGP02500 | 0 OHM | 25 cm / 20 mm | 1 pc |
| GDRGP04000 | 0 OHM | 40 cm / 20 mm | 1 pc |
| GDRGP07000 | 0 OHM | 70 cm / 20 mm | 1 pc |



Ground Band Electrode with press stud

- With Clip Cable.
- Inherent resistance 0 Ohm.

| Code | Length | Recording Area | Pack |
|------------|---------|----------------|------|
| GDRGP01003 | 10,0 cm | 9,0 cm | 1 pc |
| GDRGP01903 | 18,5 cm | 18,5 cm | 1 pc |
| GDRGP04503 | 45,0 cm | 44,0 cm | 1 pc |
| GDRGP07503 | 75,0 cm | 74,0 cm | 1 pc |

Touch Proof Ø 1,5 mm DIN 42802

Cable Length 150 cm



Ground Band Electrode with fixed connecting cable

- Made of a copper strip covered in an absorbent felt.

| Code | Length / Width | Cable Length | Pack |
|------------|----------------|--------------|------|
| GDRGF02526 | 25 cm / 20 mm | 200 cm | 1 pc |
| GDRGF05526 | 55 cm / 20 mm | 150 cm | 1 pc |

Touch Proof Ø 1,5 mm DIN 42802



Ground Flat Electrodes

- Electrodes can be placed anywhere on the body offering operators great flexibility.

| Code | Electrode Diameter | Connectors | Cable | Pack |
|------------|--------------------|----------------------|--------|------|
| PLGD155263 | 32 mm | Touch Proof Ø 1,5 mm | 150 cm | 1 pc |

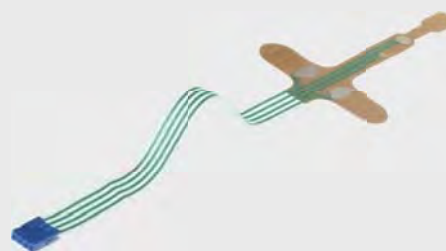
EMG / Special Electrodes

Upgrade +

Pudendal Electrode

- Suitable for recording and pelvic floor stimulation.
- Made with biocompatible and elastic materials.

| Code | Support | Pack |
|---------|----------------|--------|
| PUD0001 | Flexible | 10 pcs |
| PUDP001 | Extra-Flexible | 10 pcs |



Connection Cable for Pudendal Electrode

| Code | Cable Length | Connectors EMG | Connectors STIM | Pack |
|---------------|--------------|----------------|-----------------|------|
| 2001PUD7171SH | 200 cm | ⊕ 5 pole din | ⊕ 5 pole din | 1 pc |
| 2001PUD7126SH | 200 cm | ⊕ 5 pole din | ⊖ Ø 1,5 mm | 1 pc |



Hook Wire Needle Electrodes

- Steel thread electrodes for intramuscular EMG examination.
- Length of the steel threads is 10 cm and insulated except for the wire tip PTFE.
- The wires are applied to the muscle through a 25g disposable hypodermic needle .
- Wires without connector will be gripped at the end by a alligator clip cable (page 102 + S. 104) or a IOM clamp (page 107).

| Code | Polarity | Needle Length | Connector | Pack |
|----------------|-----------|---------------|-------------------|--------|
| DIMW1105030101 | monopolar | 30 mm | without connector | 10 pcs |
| DIMW1105050101 | monopolar | 50 mm | without connector | 10 pcs |
| DIMW1105030102 | bipolar | 30 mm | without connector | 10 pcs |
| DIMW1105050102 | bipolar | 50 mm | without connector | 10 pcs |
| DIMW11050301P1 | monopolar | 30 mm | 1 mm | 10 pcs |
| DIMW11050501P1 | monopolar | 50 mm | 1 mm | 10 pcs |
| DIMW11050301P2 | bipolar | 30 mm | 1 mm | 10 pcs |
| DIMW11050501P2 | bipolar | 50 mm | 1 mm | 10 pcs |



Electroretinography / EMG

- Butterfly
- Sterile Electrode for ERG
 - ERG-JET Electrode
 - Gold Leaf Electrode




Disposable ERG Electroretinography / EMG



Butterfly +

New


| Code | Electrode Diameter | Cable Length | Pack |
|--|--------------------|--------------|------|
| BUTT01 | 12 mm | 100 cm | 1 pc |
|  Touch Proof Ø 1,5 mm DIN 42802 | | | |



Sterile Electrode for ERG +


New

- Designed to be used during Electroretinography (ERG).
- Records the electrical signal of the retina cells, including the webs.
- Excellent adhesion, no corneal trauma and no need for local anesthesia.
- Electrode wire is also available.

| Code | Cable Length | Connectors | Pack |
|--------|--------------|--|--------|
| DT0001 | 15 cm |  Ø 1,5 mm | 10 pcs |

| Code | Description | Pack |
|--------|-------------------------------|------|
| DTW001 | Wire 256 cm for ERG Electrode | 1 pc |

ERG-JET Electrode


| Code | Electrode Diameter | Cable Length | Pack |
|--|--------------------|--------------|--------|
| ERG-JET-F-06 | 12 mm | 100 cm | 50 pcs |
| ERG-JET-F-12 | 12 mm | 100 cm | 12 pcs |
|  Touch Proof Ø 1,5 mm DIN 42802 | | | |



Disposable Gold Leaf Electrode

- The gold leaf neutralises the electrolyte between metal and mylar layer.
- Easy to place and designed to cause only minor friction on the cornea.



| Code | Cable Length | Pack |
|--|--------------|--------|
| 53043T | 100 cm | 10 pcs |
|  Touch Proof Ø 1,5 mm DIN 42802 | | |

NEURO.LINK.

CONNECTOR - CABLE - ADAPTER



Cables and Adapter

With us you will find a wide selection of cables and adapters for every application and device. On request, we manufacture customized products.


- Cables
- Adapters

Connection Cables

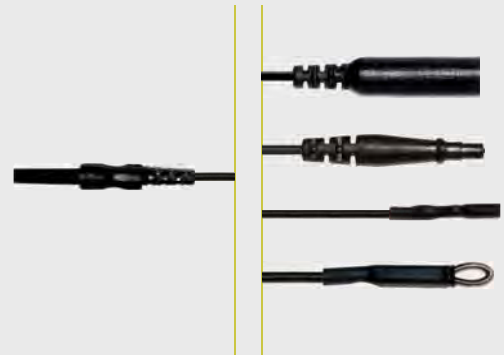
Monopolar Cables

· Monopolar cables are suitable for connecting electrodes to the various devices currently on the market.

| Code | Electrode Side | Cable Length | Pack |
|--------------|------------------------|--------------|--------|
| MNC10PDINS | 1 mm Pin | 100 cm | 10 pcs |
| MNC10DDINS | 1,5 mm Touch Proof Pin | 100 cm | 10 pcs |
| MNC10MEDDINS | 0,7 mm Pin | 100 cm | 10 pcs |
| LEDCDE0026S | Spring Snap | 100 cm | 10 pcs |

 Touch Proof Ø 1,5 mm DIN 42802

Pack of 10 cables are available in the following colors:



Shielded Multipolar Cables

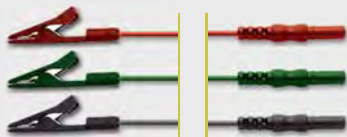
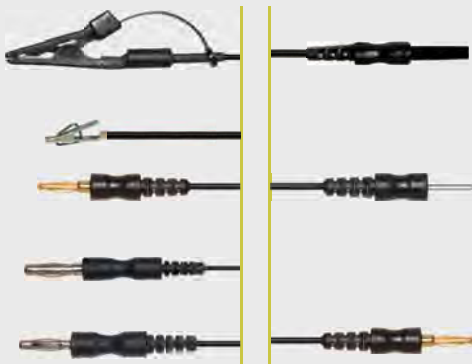
| Code | Electrode Side | Headbox Side | Pack |
|-------------|---------------------------|--|------|
| 1003SNAP71F | 3x Snap | ⊙ 5 pole din | 1 pc |
| 1003SNAP26F | 3x Snap |  Ø 1,5 mm | 1 pc |
| 1003MED71F | 3x Pin 0,7 mm | ⊙ 5 pole din | 1 pc |
| 1003MED26F | 3x Pin 0,7 mm |  Ø 1,5 mm | 1 pc |
| 1003DIN71F | 3x 1,5 mm Touch Proof Pin | ⊙ 5 pole din | 1 pc |
| 1003DIN26F | 3x 1,5 mm Touch Proof Pin |  Ø 1,5 mm | 1 pc |
| 1003P1N71F | 3x 1 mm Pin | ⊙ 5 pole din | 1 pc |
| 1003P1N26F | 3x 1 mm Pin |  Ø 1,5 mm | 1 pc |
| 1003CROC71F | 3x Insulated Crocodile | ⊙ 5 pole din | 1 pc |
| 1003CROC26F | 3x Insulated Crocodile |  Ø 1,5 mm | 1 pc |
| 1002SNAP71F | 2x Snap | ⊙ 5 pole din | 1 pc |
| 1002SNAP26F | 2x Snap |  Ø 1,5 mm | 1 pc |
| 1002MED71F | 2x 0,7 mm Pin | ⊙ 5 pole din | 1 pc |
| 1002MED26F | 2x 0,7 mm Pin |  Ø 1,5 mm | 1 pc |
| 1002DIN71F | 2x 1,5 mm Touch Proof Pin | ⊙ 5 pole din | 1 pc |
| 1002DIN26F | 2x 1,5 mm Touch Proof Pin |  Ø 1,5 mm | 1 pc |
| 1002P1N71F | 2x 1 mm Pin | ⊙ 5 pole din | 1 pc |
| 1002P1N26F | 2x 1 mm Pin |  Ø 1,5 mm | 1 pc |
| 1002CROC71F | 2x Insulated Crocodile | ⊙ 5 pole din | 1 pc |
| 1002CROC26F | 2x Insulated Crocodile |  Ø 1,5 mm | 1 pc |

Cable Length 100 cm



Connection Cables

Pack of 10 connection cables are available in the following colors:



Pack of 10 connection cables are available in the following colors:



Connection Cables

- Cable are coated and guarantee high flexibility.
- Silver conductors provide maximum mechanical resistance and excellent electrical conductivity.

| Code | Electrode Side | Headbox Side | Pack |
|-------------|---------------------|-----------------|--------|
| BEC1226C1GS | Insulated Crocodile | Ø 1,5 mm | 10 pcs |
| BEC1223C1GS | Insulated Crocodile | Spring 2 mm pin | 10 pcs |
| BEC1221C1GS | Insulated Crocodile | 2 mm Pin | 10 pcs |
| BEC1226C1PS | Mini Croco-Clip | Ø 1,5 mm | 10 pcs |
| BEC122326S | Spring 2 mm pin | Ø 1,5 mm | 10 pcs |
| BEC122323S | Spring 2 mm pin | Spring 2 mm pin | 10 pcs |
| BEC122631S | Spring 3 mm pin | Ø 1,5 mm | 10 pcs |
| BEC122641S | Spring 4 mm pin | Ø 1,5 mm | 10 pcs |

Cable Length 120 cm

Crocodile Clip Cable

| Code | Cable Length | Colour | Connectors | Pack |
|--------------|--------------|--------|------------|-------|
| LEADC1026653 | 100 cm | | Ø 1,5 mm | 1 set |
| LEADC1526653 | 150 cm | | Ø 1,5 mm | 1 set |
| LEADC2526653 | 250 cm | | Ø 1,5 mm | 1 set |

Connection Cable

- Sterile disposable connection cable with crocodile terminal.

| Code | Cable Length | Colour | Connectors | Pack |
|--------------|--------------|--------|------------|------|
| MNC25CDIN1ST | 250 cm | black | Ø 1,5 mm | 1 pc |
| MNC25CDIN2ST | 250 cm | red | Ø 1,5 mm | 1 pc |

Extensions for EMG Needles


- Different lengths and connectors are available on request and suitable for any EMG equipment.

| Code | Cable Length | Pack |
|-------------|---------------------|-------|
| MNC10DDINSH | 100 cm shielded | 1 pc |
| MNC20DDINSH | 100 cm shielded | 1 pc |
| MNC05DDINS | 50 cm not shielded | 10 pc |
| MNC10DDINS | 100 cm not shielded | 10 pc |
| MNC15DDINS | 150 cm not shielded | 10 pc |
| MNC20DDINS | 200 cm not shielded | 10 pc |
| MNC25DDINS | 250 cm not shielded | 10 pc |

Touch Proof Ø 1,5 mm DIN 42802

Connection Cables


Connection Cables

| Code | Electrode Side | Headbox Side | Colour | Pack |
|--------------------|----------------|--|---------|--------|
| BEC0852326AX | Spring 2 mm |  Ø 1,5 mm | 1 ● 2 ● | 10 pcs |
| Cable Length 85 cm | | | | |

For the right code please replace the X through the number for the right colour




Connection Cables

| Code | Electrode Side | Headbox Side | Colour | Pack |
|---------------------|----------------|--|---------------------|--------|
| BEC102326AX | Spring 2 mm |  Ø 1,5 mm | 1 ● 2 ● 3 ● 4 ● 7 ● | 10 pcs |
| Cable Length 100 cm | | | | |

For the right code please replace the X through the number for the right colour




Connection Cables

| Code | Electrode Side | Headbox Side | Colour | Pack |
|---------------------|------------------|---|---------------------|--------|
| BEC1023265X | Spring 2 mm gold |  Ø 1,5 mm | 1 ● 2 ● 3 ● 4 ● 7 ● | 10 pcs |
| Cable Length 100 cm | | | | |

For the right code please replace the X through the number for the right colour




Connection Cables - Mix Pack

| Code | Electrode Side | Headbox Side | Colour | Pack |
|---------------------|----------------|--|-----------|--------|
| BEC102326A | Spring 2 mm |  Ø 1,5 mm | ● ● ● ● ● | 10 pcs |
| Cable Length 100 cm | | | | |

Pack contains 2 cables of each colour




Connection Cables - Mix Pack

| Code | Electrode Side | Headbox Side | Colour | Pack |
|---------------------|------------------|--|-----------|--------|
| BEC1023265 | Spring 2 mm gold |  Ø 1,5 mm | ● ● ● ● ● | 10 pcs |
| Cable Length 100 cm | | | | |

Pack contains 2 cables of each colour



Connection Cables

| Code | Electrode Side | Headbox Side | Colour | Pack |
|---------------------|-----------------|--|--------|--------|
| BEC13232655A | Spring 2 mm pin |  Ø 1,5 mm | ○ | 10 pcs |
| Cable Length 130 cm | | | | |




Connection Cables

Press Stud Cable



· Press stud cables are suitable for press stud electrodes to the various devices for EKG - EMG - EEG.

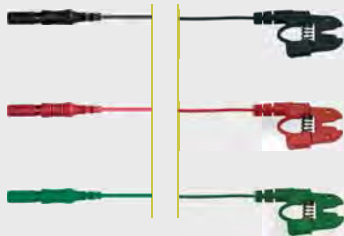
| Code | Description | Cable Length | Pack |
|------------|----------------------|--------------|--------|
| LEAD1026XX | Select colour number | 100 cm | 10 pcs |
| LEAD1526XX | (see below) | 150 cm | 10 pcs |
| LEAD2026XX | instead of XX | 200 cm | 10 pcs |
| LEAD1026S0 | Mix: 2 x ● ● ● ● ● | 100 cm | 10 pcs |
| LEAD1526S0 | Mix: 2 x ● ● ● ● ● | 150 cm | 10 pcs |
| LEAD2026S0 | Mix: 2 x ● ● ● ● ● | 200 cm | 10 pcs |

 Touch Proof Ø 1,5 mm DIN 42802


Pack of 10 cup electrodes are available in the following colors:

● ● ● ● ● ● ● ● ● ●
11 22 33 44 55 66 77 88 99 101

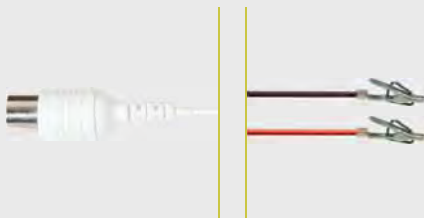
Clip Cable



| Code | Colour | Cable Length | Pack |
|-------------|--------|--------------|-------|
| LEADP1026S3 | ● ● ● | 100 cm | 1 set |
| LEADP1526S3 | ● ● ● | 150 cm | 1 set |
| LEADP2526S3 | ● ● ● | 250 cm | 1 set |

 Touch Proof Ø 1,5 mm DIN 42802

Mini Alligator Clip Cable



| Code | Headbox Side | Cable Length | Colour | Pack |
|--------------|--------------|--------------|--------|------|
| 1502MCROC71F | ☺ 5 pole din | 150 cm | ● ● | 1 pc |

Cable and Adapter

Needle Connecting Cable

- 2 wire or 3 wire cable with 1,5 mm DIN or 5 pole 270° plug and 1 mm or 0,7 mm socket or 1 mm PIN plug electrode side.
- Cable is shielded.

| Code | Plug | Plug | Cable Length | Pack |
|------------|---------------------|-------------------|--------------|------|
| 1002MED26F | 2 x 1,5 mm DIN plug | 2 x 0,7 mm socket | 100 cm | 1 pc |
| 1002MED71F | 5 pole plug | 2 x 0,7 mm socket | 100 cm | 1 pc |
| 2002MED26F | 2 x 1,5 mm DIN plug | 2 x 0,7 mm socket | 200 cm | 1 pc |
| 2002MED71F | 5 pole plug | 2 x 0,7 mm socket | 200 cm | 1 pc |
| 1002P1N26F | 2 x 1,5 mm DIN plug | 2 x 1 mm pin | 100 cm | 1 pc |
| 1002P1N71F | 5 pole plug | 2 x 1 mm pin | 100 cm | 1 pc |
| 2002P1N26F | 2 x 1,5 mm DIN plug | 2 x 1 mm pin | 200 cm | 1 pc |
| 2002P1N71F | 5 pole plug | 2 x 1 mm pin | 200 cm | 1 pc |
| 1002P126F | 2 x 1,5 mm DIN plug | 2 x 1 mm socket | 100 cm | 1 pc |
| 1002P171F | 5 pole plug | 2 x 1 mm socket | 100 cm | 1 pc |
| 2002P126F | 2 x 1,5 mm DIN plug | 2 x 1 mm socket | 200 cm | 1 pc |
| 2002P171F | 5 pole plug | 2 x 1 mm socket | 200 cm | 1 pc |



| Code | Plug | Plug | Cable Length | Pack |
|------------|---------------------|-------------------|--------------|------|
| 1003MED26F | 3 x 1,5 mm DIN plug | 3 x 0,7 mm socket | 100 cm | 1 pc |
| 1003MED71F | 5 pole plug | 3 x 0,7 mm socket | 100 cm | 1 pc |
| 2003MED26F | 3 x 1,5 mm DIN plug | 3 x 0,7 mm socket | 200 cm | 1 pc |
| 2003MED71F | 5 pole plug | 3 x 0,7 mm socket | 200 cm | 1 pc |
| 1003P1N26F | 3 x 1,5 mm DIN plug | 3 x 1 mm pin | 100 cm | 1 pc |
| 1003P1N71F | 5 pole plug | 3 x 1 mm pin | 100 cm | 1 pc |
| 2003P1N26F | 3 x 1,5 mm DIN plug | 3 x 1 mm pin | 200 cm | 1 pc |
| 2003P1N71F | 5 pole plug | 3 x 1 mm pin | 200 cm | 1 pc |
| 1003P126F | 3 x 1,5 mm DIN plug | 3 x 1 mm socket | 100 cm | 1 pc |
| 1003P171F | 5 pole plug | 3 x 1 mm socket | 100 cm | 1 pc |
| 2003P126F | 3 x 1,5 mm DIN plug | 3 x 1 mm socket | 200 cm | 1 pc |
| 2003P171F | 5 pole plug | 3 x 1 mm socket | 200 cm | 1 pc |



Connecting Cable

· 1,5 mm DIN plug on device side and equipped with 1 mm, 0,7 mm socket or 1 mm PIN plug electrode side.



| Code | Twisted | Plug | Cable Length | Pack |
|-------------|----------|-------------|--------------|--------|
| MNC10PDINS | single | 1 mm socket | 100 cm | 10 pcs |
| MNC10PDINT2 | double | 1 mm socket | 100 cm | 2 pair |
| MNC10PDINT3 | triple | 1 mm socket | 100 cm | 2 pair |
| MNC10PDINT5 | fivefold | 1 mm socket | 100 cm | 2 pair |
| MNC15PDINS | single | 1 mm socket | 150 cm | 10 pcs |
| MNC15PDINT2 | double | 1 mm socket | 150 cm | 2 pair |
| MNC15PDINT3 | triple | 1 mm socket | 150 cm | 2 pair |
| MNC15PDINT5 | fivefold | 1 mm socket | 150 cm | 2 pair |
| MNC20PDINS | single | 1 mm socket | 200 cm | 10 pcs |
| MNC20PDINT2 | double | 1 mm socket | 200 cm | 2 pair |
| MNC20PDINT3 | triple | 1 mm socket | 200 cm | 2 pair |
| MNC20PDINT5 | fivefold | 1 mm socket | 200 cm | 2 pair |



| Code | Twisted | Plug | Cable Length | Pack |
|---------------|----------|---------------|--------------|--------|
| MNC10MEDDINS | single | 0,7 mm socket | 100 cm | 10 pcs |
| MNC10MEDDINT2 | double | 0,7 mm socket | 100 cm | 2 pair |
| MNC10MEDDINT3 | triple | 0,7 mm socket | 100 cm | 2 pair |
| MNC10MEDDINT5 | fivefold | 0,7 mm socket | 100 cm | 2 pair |
| MNC15MEDDINS | single | 0,7 mm socket | 150 cm | 10 pcs |
| MNC15MEDDINT2 | double | 0,7 mm socket | 150 cm | 2 pair |
| MNC15MEDDINT3 | triple | 0,7 mm socket | 150 cm | 2 pair |
| MNC15MEDDINT5 | fivefold | 0,7 mm socket | 150 cm | 2 pair |
| MNC20MEDDINS | single | 0,7 mm socket | 200 cm | 10 pcs |
| MNC20MEDDINT2 | double | 0,7 mm socket | 200 cm | 2 pair |
| MNC20MEDDINT3 | triple | 0,7 mm socket | 200 cm | 2 pair |
| MNC20MEDDINT5 | fivefold | 0,7 mm socket | 200 cm | 2 pair |







| Code | Twisted | Plug | Cable Length | Pack |
|----------------|----------|----------|--------------|--------|
| MNC10PIN1DINS | single | 1 mm pin | 100 cm | 10 pcs |
| MNC10PIN1DINT2 | double | 1 mm pin | 100 cm | 2 pair |
| MNC10PIN1DINT3 | triple | 1 mm pin | 100 cm | 2 pair |
| MNC10PIN1DINT5 | fivefold | 1 mm pin | 100 cm | 2 pair |
| MNC15PIN1DINS | single | 1 mm pin | 150 cm | 10 pcs |
| MNC15PIN1DINT2 | double | 1 mm pin | 150 cm | 2 pair |
| MNC15PIN1DINT3 | triple | 1 mm pin | 150 cm | 2 pair |
| MNC15PIN1DINT5 | fivefold | 1 mm pin | 150 cm | 2 pair |
| MNC20PIN1DINS | single | 1 mm pin | 200 cm | 10 pcs |
| MNC20PIN1DINT2 | double | 1 mm pin | 200 cm | 2 pair |
| MNC20PIN1DINT3 | triple | 1 mm pin | 200 cm | 2 pair |
| MNC20PIN1DINT5 | fivefold | 1 mm pin | 200 cm | 2 pair |

Connection Cables /Adapter

Connection Cable for Hook Wire Electrodes


· Different lengths and connectors are available for any commercial equipment and are available on request.

| Code | Headbox Side | Electrode Side | Color | Cable Length | Pack |
|-------------|--|----------------|-------|--------------|------|
| BEC1026C1M1 |  Ø 1,5 mm | 1x Micro Clip | ● | 100 cm | 1 pc |
| BEC1026C2M2 |  Ø 1,5 mm | 1x Micro Clip | ● | 100 cm | 1 pc |
| 1002C1M71F |  5 pole din | 2x Micro Clip | ● | 100 cm | 1 pc |
| 1002C1M26F |  Ø 1,5 mm | 2x Micro Clip | ● | 100 cm | 1 pc |



Adapter Cable


· 3 pole 180° connector on electrode side.

| Code | Device Side | Color | Pack |
|-------------|--|-------|------|
| ADK-7526-00 | 2 x  Ø 1,5 mm | ● ● | 1 pc |
| ADK-7521-00 | 2 x 2 mm connector | ● ● | 1 pc |



Adapter Cable

· 5 pole 270° connector on electrode side.

| Code | Device Side | Color | Pack |
|-------------|--|-------|------|
| ADK-7326-00 | 2 x  Ø 1,5 mm | ● ● | 1 pc |
| ADK-7321-00 | 2 x 2 mm connector | ● ● | 1 pc |



Adapter Cable

· 5 pole connector 270° on electrode side.

| Code | Device Side | Pack |
|-------------|-----------------------|------|
| ADK-7362-00 | 3 pole connector 180° | 1 pc |
| ADK-7372-00 | 5 pole connector 180° | 1 pc |

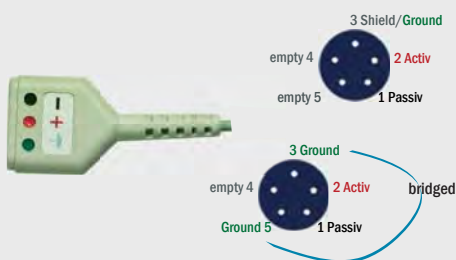


Clip Adapter

· Different lengths and connectors are available on request and suitable for any EMG equipment.

| Code | Color | Pack |
|-----------|-------|------|
| ADT-4633W | white | 1 pc |





Adapters and Accessories

| Code | Description | | Pack |
|-----------|---------------------------------------|---|------|
| JUMP26261 | Touch Proof Ø 1,5 mm connector bridge | ● | 5 pc |
| JUMP26262 | Touch Proof Ø 1,5 mm connector bridge | ● | 5 pc |
| JUMP26263 | Touch Proof Ø 1,5 mm connector bridge | ● | 5 pc |

Cable Length 15 cm

Shielded Cable for Touch Proof ø 1,5 mm connector

| Code | Description | Cable Length | Pack |
|--------------|--------------|--------------|------|
| PK63SH0671-3 | 3 connectors | 60 cm | 1 pc |
| PK63SH1271-3 | 3 connectors | 120 cm | 1 pc |
| PK63SH1571-3 | 3 connectors | 150 cm | 1 pc |
| PK63SH2071-3 | 3 connectors | 200 cm | 1 pc |
| PK63SH0671-8 | 3 connectors | 60 cm | 1 pc |
| PK63SH1271-8 | 3 connectors | 120 cm | 1 pc |
| PK63SH1571-8 | 3 connectors | 150 cm | 1 pc |
| PK63SH2071-8 | 3 connectors | 200 cm | 1 pc |

Adapters and Accessories

| | | | |
|-----------|---|---|-------|
| ADDIN2F01 | Touch Proof Ø 1,5 mm Adapter / 2 mm connector | ● | 5 pcs |
| ADDIN2F02 | Touch Proof Ø 1,5 mm Adapter / 2 mm connector | ● | 5 pcs |

| | | | |
|-----------|---|---|-------|
| ADPO2DIN1 | Touch Proof Ø 1,5 mm male adapter / 2 mm pin | ● | 5 pcs |
| ADPO2DIN2 | Touch Proof Ø 1,5 mm male adapter / 2 mm pin | ● | 5 pcs |
| ADPM2DIN | Touch Proof Ø 1,5 mm male adapter / 2 mm spring pin | ● | 5 pcs |

| | | | |
|----------|------------------------------------|---|-------|
| CROC04F1 | Crocodile adapter / 4 mm connector | ● | 5 pcs |
| CROC04F2 | Crocodile adapter / 4 mm connector | ● | 5 pcs |

| | | | |
|---------|------------------------------------|---|-------|
| CROC01S | Crocodile adapter / 2 mm connector | ● | 5 pcs |
| CROC02S | Crocodile adapter / 2 mm connector | ● | 5 pcs |

| | | | |
|----------|-------------------------------|---|-------|
| ADPT2F01 | Snap adapter / 2 mm connector | ● | 5 pcs |
| ADPT2F02 | Snap adapter / 2 mm connector | ● | 5 pcs |

NEURO.TOOLS. 

JOM - NEUROLOGY - SENSORS - ELECTRODES

EEG - EMG - EP - JOM

NEURO.DART.

SUBDURAL NEEDLE - ELECTRODES



Neurodiagnostics / IOM

GVB-SPES has incorporated its long term experience as well as the user's requirements in the development of high-quality products.

During the procedure of the intraoperative monitoring surgeons and neurologists are supported by market leading products.

- Intramuscular Needle Electrodes
 - Subdermal Needle Electrodes
 - Pry-Tympanic Electrode
 - Laryngeal Electrode
 - Stimulation Probes
 - Corkscrew Electrodes
 - Grid Electrodes
 - Ear Plugs

IOM / Disposable Stimulation Probes

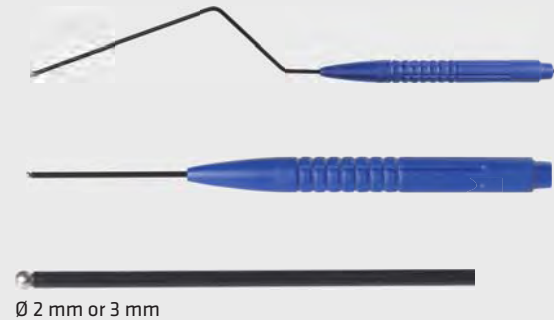
Monopolar

| Code | Model | Probe Length | Pack |
|----------------|---------------------------|--------------|-------|
| SI1I0045S2526D | Monopolar | 45 mm | 5 pcs |
| SI1I0100S2526D | Monopolar | 100 mm | 5 pcs |
| SI1I0200S2526D | Monopolar | 200 mm | 5 pcs |
| SI1IC045S2526D | Bent monopolar | 45 mm | 5 pcs |
| SI1IC095S2526D | Bent monopolar | 95 mm | 5 pcs |
| SI1IB130S2526D | Bayonett monopolar | 130 mm | 5 pcs |
| SI1ID130S2526D | Double Bayonett monopolar | 130 mm | 5 pcs |



Ball Monopolar

| Code | Model | Probe Length | Probe Diameter | Pack |
|----------------|--------------------------------|--------------|----------------|-------|
| SI1B0045S2526D | Ball Monopolar | 45 mm | 2 mm | 5 pcs |
| SI1B0100S2526D | Ball Monopolar | 100 mm | 3 mm | 5 pcs |
| SI1BC045S2526D | Ball Bent Monopolar | 45 mm | 2 mm | 5 pcs |
| SI1BC095S2526D | Ball Bent Monopolar | 95 mm | 2 mm | 5 pcs |
| SI1BB130S2526D | Ball Bayonett Monopolar | 130 mm | 3 mm | 5 pcs |
| SI1BD130S2526D | Ball Double Bayonett Monopolar | 130 mm | 3 mm | 5 pcs |



Ball Bipolar

| Code | Model | Probe Length | Probe Diameter | Pack |
|----------------|--------------|--------------|----------------|-------|
| SI2B0030S2526D | Ball Bipolar | 30 mm | 2 mm | 5 pcs |



Concentric Bipolar

| Code | Description | Probe Length | Pack |
|----------------|------------------------------|--------------|-------|
| SI2C0045S2526D | Concentric Bipolar | 45 mm | 5 pcs |
| SI2C0100S2526D | Concentric Bipolar | 100 mm | 5 pcs |
| SI2CB130S2526D | Bayonett concentric bipolar | 130 mm | 5 pcs |
| SI2CC045S2526D | Bent concentric bipolar | 45 mm | 5 pcs |
| SI2CC095S2526D | Bent concentric bipolar | 95 mm | 5 pcs |
| SI2T0045S2526D | Ball concentric bipolar | 45 mm | 5 pcs |
| SI2T0100S2526D | Ball concentric bipolar | 100 mm | 5 pcs |
| SI2TC045S2526D | Ball bent concentric bipolar | 45 mm | 5 pcs |
| SI2TC100S2526D | Ball bent concentric bipolar | 100 mm | 5 pcs |



Reusable Stimulation Probes / IOM

Monopolar



| Code | Model | Probe Length | Pack |
|----------------|---------------------------|--------------|------|
| SI1I0060M0032R | Monopolar | 60 mm | 1 pc |
| SI1I0090M0032R | Monopolar | 90 mm | 1 pc |
| SI1IC060M0032R | Bent monopolar | 60 mm | 1 pc |
| SI1IC090M0032R | Bent monopolar | 90 mm | 1 pc |
| SI1IB130M0032R | Bayonett monopolar | 130 mm | 1 pc |
| SI1ID130M0032R | Double Bayonett monopolar | 130 mm | 1 pc |



Ball Monopolar



| Code | Model | Probe Length | Probe Diameter | Pack |
|----------------|--------------------------------|--------------|----------------|------|
| SI1B0060M0032R | Ball Monopolar | 60 mm | 2 mm | 1 pc |
| SI1B0090M0032R | Ball Monopolar | 90 mm | 3 mm | 1 pc |
| SI1BC060M0032R | Ball Bent Monopolar | 60 mm | 2 mm | 1 pc |
| SI1B0090M0032R | Ball Bent Monopolar | 90 mm | 2 mm | 1 pc |
| SI1BB130M0032R | Ball Bayonett Monopolar | 130 mm | 3 mm | 1 pc |
| SI1BD130M0032R | Ball Double Bayonett Monopolar | 130 mm | 3 mm | 1 pc |



Ball Bipolar

| Code | Model | Probe Length | Probe Diameter | Pack |
|----------------|--------------|--------------|----------------|------|
| SI2B0010M0032R | Ball Bipolar | 10 mm | 2 mm | 1 pc |

Concentric Bipolar



| Code | Description | Probe Length | Pack |
|----------------|------------------------------|--------------|------|
| SI2C0060M0032R | Concentric Bipolar | 60 mm | 1 pc |
| SI2C0090M0032R | Concentric Bipolar | 90 mm | 1 pc |
| SI2CB130M0032R | Bayonett concentric bipolar | 130 mm | 1 pc |
| SI2CC060M0032R | Bent concentric bipolar | 60 mm | 1 pc |
| SI2CC090M0032R | Bent concentric bipolar | 90 mm | 1 pc |
| SI2T0060M0032R | Ball concentric bipolar | 60 mm | 1 pc |
| SI2T0090M0032R | Ball concentric bipolar | 90 mm | 1 pc |
| SI2TC060M0032R | Ball bent concentric bipolar | 60 mm | 1 pc |
| SI2TC090M0032R | Ball bent concentric bipolar | 90 mm | 1 pc |

IOM / Disposable Stimulation Probes

Minifork

| Code | Model | Probe Length | Pack |
|----------------|----------------------------------|--------------|-------|
| SI2F0045S2526D | Bipolar minifork | 45 mm | 5 pcs |
| SI2F0100S2526D | Bipolar minifork | 100 mm | 5 pcs |
| SI2FB130S2526D | Bayonett bipolar minifork | 130 mm | 5 pcs |
| SI2FC045S2526D | Bent bipolar minifork | 45 mm | 5 pcs |
| SI3FC095S2526D | Bent tripolar pediatric minifork | 95 mm | 5 pcs |



Hook Bipolar

| Code | Model | Probe Length | Pack |
|----------------|-------|--------------|-------|
| SI2H0020S2526D | Hook | 20 mm | 5 pcs |



Bipolar Triple Hook

| Code | Model | Probe Length | Pack |
|----------------|-------------|--------------|-------|
| SI3H0020S2526D | Triple Hook | 20 mm | 5 pcs |



Rhizotomy

| Code | Model | Probe Length | Pack |
|------------|-----------|--------------|-------|
| On request | Rhizotomy | 100 mm | 5 set |

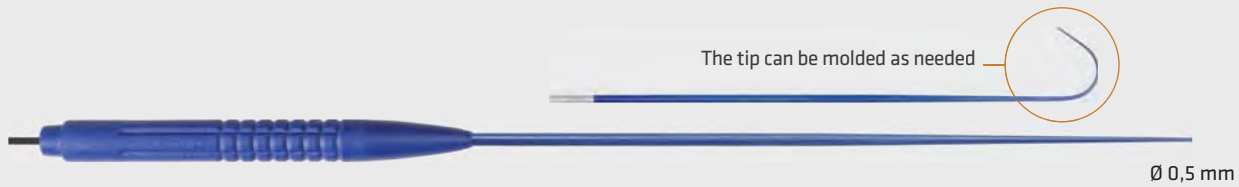


Reusable Stimulation Probes / IOM

Disposable Flush Tip

| Code | Model | Probe Length | Pack |
|----------------|-----------|--------------|-------|
| SI1IF095S2526D | Flush Tip | 95 mm | 5 pcs |

New



Minifork

| Code | Model | Probe Length | Pack |
|----------------|----------------------------------|--------------|------|
| SI2F0060M0032R | Bipolar minifork | 60 mm | 1 pc |
| SI2F0090M0032R | Bipolar minifork | 90 mm | 1 pc |
| SI2FB130M0032R | Bayonett bipolar minifork | 130 mm | 1 pc |
| SI2FC060M0032R | Bent bipolar minifork | 60 mm | 1 pc |
| SI2FC090M0032R | Bent bipolar minifork | 90 mm | 1 pc |
| SI3F0090M0032R | Bent tripolar pediatric minifork | 90 mm | 1 pc |



Hook Bipolar

| Code | Model | Probe Length | Pack |
|----------------|-------|--------------|------|
| SI2H0060M0032R | Hook | 60 mm | 1 pc |



Bipolar Triple Hook

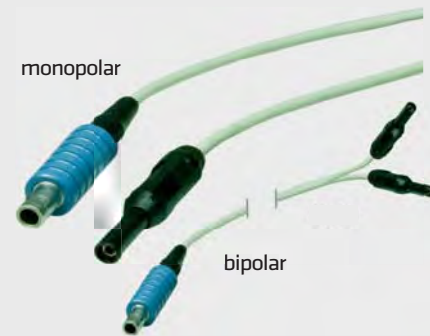
| Code | Model | Probe Length | Pack |
|----------------|-------------|--------------|------|
| SI3H0060M0032R | Triple Hook | 60 mm | 1 pc |

IOM / Disposable Stimulation Probes

Connecting cable for reusable probes





- Lemo plug to 1,5 mm DIN plug.

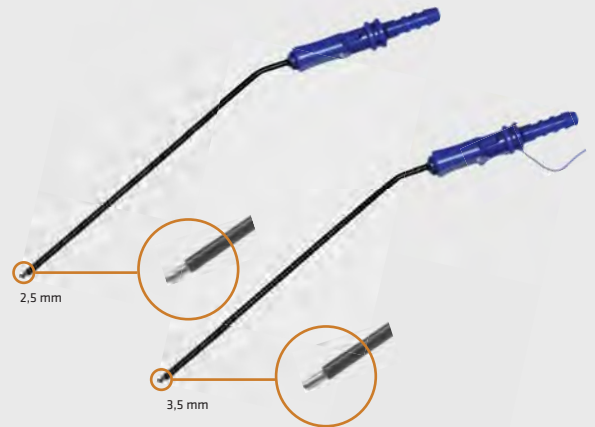
| Code | Description | Cablelength | Pack |
|------------|-------------|-------------|------|
| MNC253326M | Monopolar | 250 mm | 1 pc |
| MNC253326B | Bipolar | 250 mm | 1 pc |



Suction Stimulator Probe

- Provides a dry stimulation field for accurate testing.
- Tip designed to simultaneously provide repeatable stimulation and evacuate conductive fluids that generate electrical shunting.

| Code | Connector | Tip Diameter | Probe Length | Pack |
|----------------|--|--------------|--------------|------|
| S11K0130S2526D |  Ø 1,5 mm | 2,5 mm | 130 mm | 5 pc |
| S11K0260S2526D |  Ø 1,5 mm | 2,5 mm | 260 mm | 5 pc |
| S11K0130S3526D |  Ø 1,5 mm | 3,5 mm | 130 mm | 5 pc |
| S11K0260S3526D |  Ø 1,5 mm | 3,5 mm | 260 mm | 5 pc |



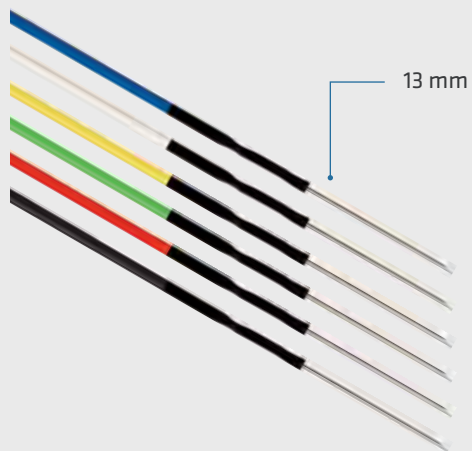
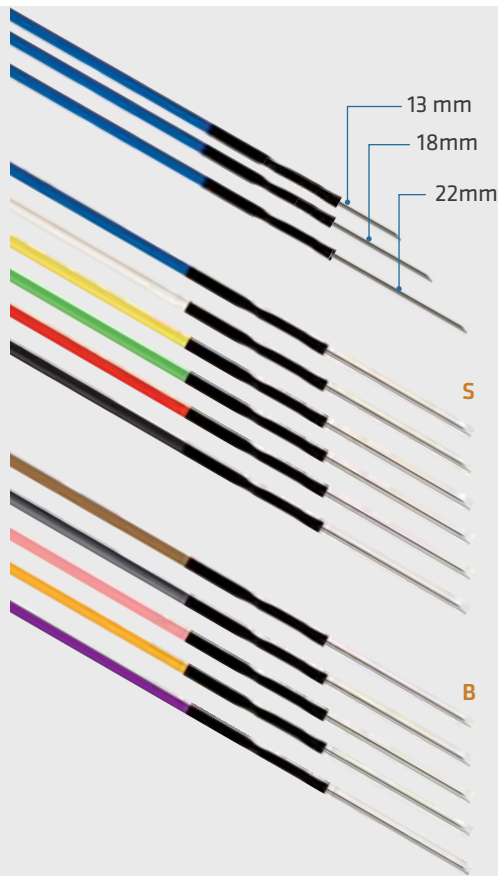
Tympanic Electrode - sterile packed

- Our tympanic electrode is designed to be used during electrocyclography (ECOchG) and timpanic membrane (TM) signal monitoring and recording.
- Soft and flexible insulating material.
- Smooth, rounded probe tip with golden sensor.

| Code | Cable Length | Connectors | Pack |
|--------|--------------|--|---------------|
| TED001 | 250 cm |  Ø 1,5 mm | 1 Box - 5 pcs |



Disposable Subdermal Needle Electrodes / IOM



Neurodart - Subdermal Steel Needle Electrodes

- Guarantee excellent signal stability and easy non-traumatic insertion.
- Provide excellent recording and effective patient stimulation.

| Code | Needle Length | Needle Diameter | Cable Length | Pack |
|------------|---------------|-----------------|--------------|--------|
| MN4013D10S | 13 mm | 0,40 mm | 100 cm | 24 pcs |
| MN4013D10B | 13 mm | 0,40 mm | 100 cm | 24 pcs |
| MN4013D15S | 13 mm | 0,40 mm | 150 cm | 24 pcs |
| MN4013D15B | 13 mm | 0,40 mm | 150 cm | 24 pcs |
| MN4013D25S | 13 mm | 0,40 mm | 250 cm | 24 pcs |
| MN4013D25B | 13 mm | 0,40 mm | 250 cm | 24 pcs |
| MN4018D10S | 18 mm | 0,40 mm | 100 cm | 24 pcs |
| MN4018D15S | 18 mm | 0,40 mm | 150 cm | 24 pcs |
| MN4018D25S | 18 mm | 0,40 mm | 250 cm | 24 pcs |
| MN4022D10S | 22 mm | 0,40 mm | 100 cm | 24 pcs |
| MN4022D15S | 22 mm | 0,40 mm | 150 cm | 24 pcs |
| MN4022D25S | 22 mm | 0,40 mm | 250 cm | 24 pcs |

Touch Proof Ø 1,5 mm DIN 42802

Item available in two different color sets (Ref. code):

S ● ● ● ● ● ● ● B ● ● ● ● ● ● ●

Neurodart - Subdermal Steel Needle Electrodes

- Needle length 13 mm and needle diameter 0,40 mm.
- Available in single colours.

| Code | Colour | Cable Length | Pack |
|------------|--------|--------------|--------|
| MN4013D101 | ● | 100 cm | 25 pcs |
| MN4013D102 | ● | 100 cm | 25 pcs |
| MN4013D103 | ● | 100 cm | 25 pcs |
| MN4013D104 | ● | 100 cm | 25 pcs |
| MN4013D105 | ○ | 100 cm | 25 pcs |
| MN4013D106 | ● | 100 cm | 25 pcs |
| MN4013D151 | ● | 150 cm | 25 pcs |
| MN4013D152 | ● | 150 cm | 25 pcs |
| MN4013D153 | ● | 150 cm | 25 pcs |
| MN4013D154 | ● | 150 cm | 25 pcs |
| MN4013D155 | ○ | 150 cm | 25 pcs |
| MN4013D156 | ● | 150 cm | 25 pcs |
| MN4013D251 | ● | 250 cm | 25 pcs |
| MN4013D252 | ● | 250 cm | 25 pcs |
| MN4013D253 | ● | 250 cm | 25 pcs |
| MN4013D254 | ● | 250 cm | 25 pcs |
| MN4013D255 | ○ | 250 cm | 25 pcs |
| MN4013D256 | ● | 250 cm | 25 pcs |

Touch Proof Ø 1,5 mm DIN 42802

IOM / Disposable Subdermal Needle Electrodes

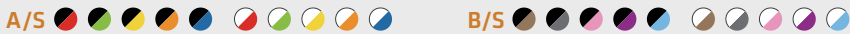
Twisted Subdermal Steel Needle Electrodes

Our needle electrodes provide excellent signal recording and effective stimulation on the patient.

| Code | Needle Length | Needle Diameter | Cable Length | Pack |
|--------------|---------------|-----------------|--------------|--------|
| MN4013D10A/S | 13 mm | 0,40 mm | 2 x 100 cm | 20 set |
| MN4013D10B/S | 13 mm | 0,40 mm | 2 x 100 cm | 20 set |
| MN4013D15A/S | 13 mm | 0,40 mm | 2 x 150 cm | 20 set |
| MN4013D15B/S | 13 mm | 0,40 mm | 2 x 150 cm | 20 set |
| MN4013D25A/S | 13 mm | 0,40 mm | 2 x 250 cm | 20 set |
| MN4013D25B/S | 13 mm | 0,40 mm | 2 x 250 cm | 20 set |
| MN4018D10A/S | 18 mm | 0,40 mm | 2 x 100 cm | 20 set |
| MN4018D10B/S | 18mm | 0,40 mm | 2 x 100 cm | 20 set |
| MN4018D15A/S | 18 mm | 0,40 mm | 2 x 150 cm | 20 set |
| MN4018D15B/S | 18 mm | 0,40 mm | 2 x 150 cm | 20 set |
| MN4018D25A/S | 18 mm | 0,40 mm | 2 x 250 cm | 20 set |
| MN4018D25B/S | 18 mm | 0,40 mm | 2 x 250 cm | 20 set |
| MN4022D10A/S | 22 mm | 0,40 mm | 2 x 100 cm | 20 set |
| MN4022D10B/S | 22 mm | 0,40 mm | 2 x 100 cm | 20 set |
| MN4022D15A/S | 22 mm | 0,40 mm | 2 x 150 cm | 20 set |
| MN4022D15B/S | 22 mm | 0,40 mm | 2 x 150 cm | 20 set |
| MN4022D25A/S | 22 mm | 0,40 mm | 2 x 250 cm | 20 set |
| MN4022D25B/S | 22 mm | 0,40 mm | 2 x 250 cm | 20 set |



Item available in two different color sets (Ref. code):



Twisted Subdermal Steel Needle Electrodes

| Code | Needle Length | Needle Diameter | Cable Length | Pack |
|----------------|---------------|-----------------|--------------|--------|
| TT03MN4013D/10 | 13 mm | 0,40 mm | 3 x 100 cm | 10 Set |
| TT03MN4013D/15 | 13 mm | 0,40 mm | 3 x 150 cm | 10 Set |
| TT03MN4013D/25 | 13 mm | 0,40 mm | 3 x 250 cm | 10 Set |
| TT03MN4018D/10 | 18 mm | 0,40 mm | 3 x 100 cm | 10 Set |
| TT03MN4018D/15 | 18mm | 0,40 mm | 3 x 150 cm | 10 Set |
| TT03MN4018D/25 | 18 mm | 0,40 mm | 3 x 250 cm | 10 Set |

Item available in colour set



Disposable Subdermal Needle Electrodes / IOM



Twisted Subdermal Steel Needle Electrodes

| Code | Needle Length | Diameter | Cable Length | Pack |
|----------------|---------------|----------|--------------|--------|
| TT05MN4013D/10 | 13 mm | 0,40 mm | 5 x 100 cm | 10 set |
| TT05MN4013D/15 | 13 mm | 0,40 mm | 5 x 150 cm | 10 set |
| TT05MN4013D/25 | 13 mm | 0,40 mm | 5 x 250 cm | 10 set |
| TT05MN4018D/10 | 18 mm | 0,40 mm | 5 x 100 cm | 10 set |
| TT05MN4018D/15 | 18mm | 0,40 mm | 5 x 150 cm | 10 set |
| TT05MN4018D/25 | 18 mm | 0,40 mm | 5 x 250 cm | 10 set |

The subdermal needles are available as a color mix.



Subdermal Steel Needle Electrodes

· Our subdermal needle electrodes are made of steel and because of the handle very easy to use



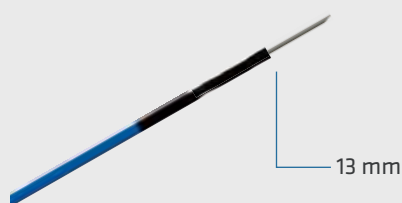
| Code | Needle Length | Diameter | Cable Length | Pack |
|-------------|---------------|----------|--------------|--------|
| MN4013D10MS | 13 mm | 0,40 mm | 100 cm | 25 pcs |
| MN4013D15MS | 13mm | 0,40 mm | 150 cm | 25 pcs |
| MN4018D10MS | 18 mm | 0,40 mm | 100 cm | 25 pcs |
| MN4018D15MS | 18 mm | 0,40 mm | 150 cm | 25 pcs |

Touch Proof Ø 1,5 mm DIN 42802

The subdermal needles are available as a color mix.

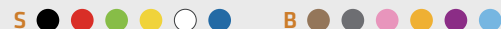


Neurodart - Subdermal Steel Needle Electrodes



| Code | Needle Length | Diameter | Cable Length | Pack |
|------------|---------------|----------|--------------|--------|
| MN2013D10S | 13 mm | 0,20 mm | 100 cm | 24 pcs |
| MN2013D10B | 13 mm | 0,20 mm | 100 cm | 24 pcs |
| MN4013D15S | 13 mm | 0,20 mm | 150 cm | 24 pcs |
| MN2013D15B | 13 mm | 0,20 mm | 150 cm | 24 pcs |
| MN2013D25S | 13 mm | 0,20 mm | 250 cm | 24 pcs |
| MN2013D25B | 13 mm | 0,20 mm | 250 cm | 24 pcs |

Items available in two different color sets (Ref. code):

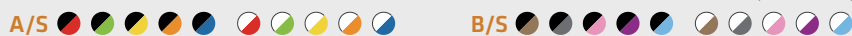


Twisted Subdermal Steel Needle Electrodes



| Code | Needle Length | Diameter | Cable Length | Pack |
|--------------|---------------|----------|--------------|--------|
| MN2013D10A/S | 13 mm | 0,20 mm | 2 x 100 cm | 20 set |
| MN2013D10B/S | 13 mm | 0,20 mm | 2 x 100 cm | 20 set |
| MN2013D15A/S | 13 mm | 0,20 mm | 2 x 150 cm | 20 set |
| MN2013D15B/S | 13 mm | 0,20 mm | 2 x 150 cm | 20 set |
| MN2013D25A/S | 13 mm | 0,20 mm | 2 x 250 cm | 20 set |
| MN2013D25B/S | 13 mm | 0,20 mm | 2 x 250 cm | 20 set |

Items available in two different color sets (Ref. code):



IOM / Reusable Subdermal Needle Electrodes

Reusable Twisted Subdermal Steel Needle Electrodes

· Our needle electrodes provide excellent signal recording and effective stimulation on the patient.

| Code | Needle length | Needle Diameter | Cable Length | Pack |
|--------------|---------------|-----------------|--------------|--------|
| MN4013D102TR | 13 mm | 0,40 mm | 2 x 100 cm | 1 pair |
| MN4013D152TR | 13 mm | 0,40 mm | 2 x 150 cm | 1 pair |
| MN4013D252TR | 13 mm | 0,40 mm | 2 x 250 cm | 1 pair |

| | | | | |
|--------------|-------|---------|------------|--------|
| MN4018D102TR | 18 mm | 0,40 mm | 2 x 100 cm | 1 pair |
| MN4018D152TR | 18mm | 0,40 mm | 2 x 150 cm | 1 pair |
| MN4018D252TR | 18 mm | 0,40 mm | 2 x 250 cm | 1 pair |

Item available in colour set



Reusable Twisted Subdermal Steel Needle Electrodes

| Code | Needle length | Needle Diameter | Cable Length | Pack |
|--------------|---------------|-----------------|--------------|--------|
| MN4013D103TR | 13 mm | 0,40 mm | 3 x 100 cm | 1 pair |
| MN4013D153TR | 13 mm | 0,40 mm | 3 x 150 cm | 1 pair |
| MN4013D253TR | 13 mm | 0,40 mm | 3 x 250 cm | 1 pair |

| | | | | |
|--------------|-------|---------|------------|--------|
| MN4018D103TR | 18 mm | 0,40 mm | 3 x 100 cm | 1 pair |
| MN4018D153TR | 18mm | 0,40 mm | 3 x 150 cm | 1 pair |
| MN4018D253TR | 18 mm | 0,40 mm | 3 x 250 cm | 1 pair |

Item available in colour set



Reusable Twisted Subdermal Steel Needle Electrodes

| Code | Needle length | Needle Diameter | Cable Length | Pack |
|--------------|---------------|-----------------|--------------|--------|
| MN4013D105TR | 13 mm | 0,40 mm | 5 x 100 cm | 1 pair |
| MN4013D155TR | 13 mm | 0,40 mm | 5 x 150 cm | 1 pair |
| MN4013D255TR | 13 mm | 0,40 mm | 5 x 250 cm | 1 pair |

| | | | | |
|--------------|-------|---------|------------|--------|
| MN4018D105TR | 18 mm | 0,40 mm | 5 x 100 cm | 1 pair |
| MN4018D155TR | 18mm | 0,40 mm | 5 x 150 cm | 1 pair |
| MN4018D255TR | 18 mm | 0,40 mm | 5 x 250 cm | 1 pair |

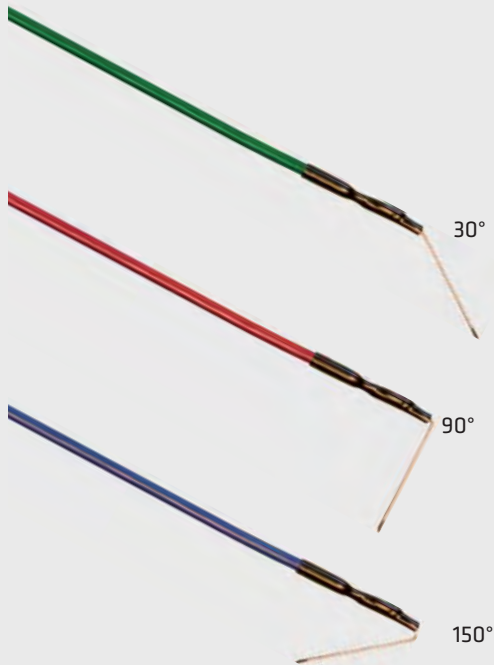
Item available in colour set




Disposable Subdermal Needle Electrodes / IOM

Neurodart - Monopolar Steel Needle Electrodes - not isolated

- Specially developed for use in thyroid operations. Provides excellent EMG potentials.
- The diameter of each needle is 0,35 mm. 6 x 4 colours in packaging.

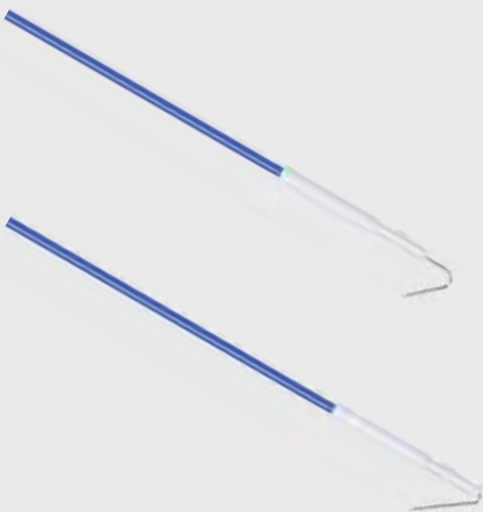


| Code | Angle | Needle Length | Cable Length | Pack |
|--------------|-------|---------------|--------------|--------|
| MN3520HD10S3 | 30° | 20 mm | 100 cm | 24 pcs |
| MN3530HD10S3 | 30° | 30 mm | 100 cm | 24 pcs |
| MN3540HD10S3 | 30° | 40 mm | 100 cm | 24 pcs |
| MN3520HD15S3 | 30° | 20 mm | 150 cm | 24 pcs |
| MN3530HD15S3 | 30° | 30 mm | 150 cm | 24 pcs |
| MN3540HD15S3 | 30° | 40 mm | 150 cm | 24 pcs |
| MN3520HD10S4 | 90° | 20 mm | 100 cm | 24 pcs |
| MN3530HD10S4 | 90° | 30 mm | 100 cm | 24 pcs |
| MN3540HD10S4 | 90° | 40 mm | 100 cm | 24 pcs |
| MN3520HD15S4 | 90° | 20 mm | 150 cm | 24 pcs |
| MN3530HD15S4 | 90° | 30 mm | 150 cm | 24 pcs |
| MN3540HD15S4 | 90° | 40 mm | 150 cm | 24 pcs |
| MN3520HD10S1 | 150° | 20 mm | 100 cm | 24 pcs |
| MN3530HD10S1 | 150° | 30 mm | 100 cm | 24 pcs |
| MN3540HD10S1 | 150° | 40 mm | 100 cm | 24 pcs |
| MN3520HD15S1 | 150° | 20 mm | 150 cm | 24 pcs |
| MN3530HD15S1 | 150° | 30 mm | 150 cm | 24 pcs |
| MN3540HD15S1 | 150° | 40 mm | 150 cm | 24 pcs |


 Touch Proof Ø 1,5 mm DIN 42802

Hook Steel Needle Electrodes


- Our hook needle electrodes provide excellent signal recording and effective stimulation on the patient.
- As recently published (American Society of Neurophysiological Monitoring Guidelines), the curved electrode needles guarantee a greater stability of the signal without risk of needle breakage.



| Code | Needle length | Needle Diameter | Cable Length | Pack |
|-------------|---------------|-----------------|--------------|--------|
| MN4013HD10S | 13 mm | 0,40 mm | 100 cm | 24 pcs |
| MN4013HD15S | 13 mm | 0,40 mm | 150 cm | 24 pcs |
| MN4013HD25S | 13 mm | 0,40 mm | 250 cm | 24 pcs |

 Touch Proof Ø 1,5 mm DIN 42802

| Code | Needle length | Needle Diameter | Cable Length | Pack |
|-------------|---------------|-----------------|--------------|--------|
| MN4021CD10S | 21 mm | 0,40 mm | 100 cm | 24 pcs |
| MN4021CD15S | 21 mm | 0,40 mm | 150 cm | 24 pcs |
| MN4021CD25S | 21 mm | 0,40 mm | 250 cm | 24 pcs |

 Touch Proof Ø 1,5 mm DIN 42802

IOM / Disposable Subdermal Needle Electrodes

Monopolar Needle Electrodes

· Made of steel and isolated with teflon

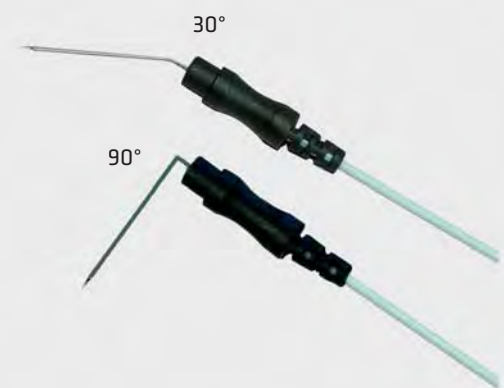
| Code | Needle length | Needle Diameter | Cable Length | Pack |
|-------------|---------------|-----------------|--------------|--------|
| 30° | | | | |
| TFDN2620103 | 20 mm | 0,35 mm | 100 cm | 25 pcs |
| TFDN2620153 | 20 mm | 0,35 mm | 150 cm | 25 pcs |
| TFDN2630103 | 30 mm | 0,35 mm | 100 cm | 25 pcs |
| TFDN2630153 | 30 mm | 0,35 mm | 150 cm | 25 pcs |
| TFDN2640103 | 40 mm | 0,35 mm | 100 cm | 25 pcs |
| TFDN2640153 | 40 mm | 0,35 mm | 150 cm | 25 pcs |
| 90° | | | | |
| TFDN2620104 | 20 mm | 0,35 mm | 100 cm | 25 pcs |
| TFDN2620154 | 20 mm | 0,35 mm | 150 cm | 25 pcs |
| TFDN2630104 | 30 mm | 0,35 mm | 100 cm | 25 pcs |
| TFDN2630154 | 30 mm | 0,35 mm | 150 cm | 25 pcs |
| TFDN2640104 | 40 mm | 0,35 mm | 100 cm | 25 pcs |
| TFDN2640154 | 40 mm | 0,35 mm | 150 cm | 25 pcs |



Bipolar Needle Electrodes

· Made of steel and isolated with teflon

| Code | Needle length | Needle Diameter | Cable Length | Pack |
|-------------|---------------|-----------------|--------------|--------|
| 30° | | | | |
| DC39335201H | 20 mm | 0,35 mm | 100 cm | 25 pcs |
| DC39335205H | 20 mm | 0,35 mm | 150 cm | 25 pcs |
| DC39335301H | 30 mm | 0,35 mm | 100 cm | 25 pcs |
| DC39335305H | 30 mm | 0,35 mm | 150 cm | 25 pcs |
| DC39335401H | 40 mm | 0,35 mm | 100 cm | 25 pcs |
| DC39335405H | 40 mm | 0,35 mm | 150 cm | 25 pcs |
| 90° | | | | |
| DC39435201H | 20 mm | 0,35 mm | 100 cm | 25 pcs |
| DC39435205H | 20 mm | 0,35 mm | 150 cm | 25 pcs |
| DC39435301H | 30 mm | 0,35 mm | 100 cm | 25 pcs |
| DC39435305H | 30 mm | 0,35 mm | 150 cm | 25 pcs |
| DC39435401H | 40 mm | 0,35 mm | 100 cm | 25 pcs |
| DC39435405H | 40 mm | 0,35 mm | 150 cm | 25 pcs |



Disposable MRI and Corkscrew Electrodes / IOM



MRI Subdermal Steel Needle Electrodes

| Code | Needle length | Needle Diameter | Cable Length | Pack |
|---------------|---------------|-----------------|--------------|--------|
| MN4013D10SMRI | 13 mm | 0,40 mm | 100 cm | 24 pcs |
| MN4013D15SMRI | 13 mm | 0,40 mm | 150 cm | 24 pcs |
| MN4013D25SMRI | 13 mm | 0,40 mm | 250 cm | 24 pcs |
| MN4018D10SMRI | 18 mm | 0,40 mm | 100 cm | 24 pcs |
| MN4018D15SMRI | 18mm | 0,40 mm | 150 cm | 24 pcs |
| MN4018D25SMRI | 18 mm | 0,40 mm | 250 cm | 24 pcs |


Pack of cork screw needle electrodes are available in the following colors:



Cork Screw Steel Needle Electrodes

- Our cork screw needle electrodes provide excellent signal recording and effective stimulation on the patient.
- Double sharpening for non-traumatic insertion.
- Available with recognition hub and cable in 6 different colors.

| Code | Cable Length | Description | Pack |
|------------|--------------|------------------|--------|
| MNCS0610DS | 100 cm | without umbrella | 24 pcs |
| MNCS0615DS | 150 cm | without umbrella | 24 pcs |
| MNCS0625DS | 250 cm | without umbrella | 24 pcs |
| MNCSC610DS | 100 cm | with umbrella | 24 pcs |
| MNCSC615DS | 150 cm | with umbrella | 24 pcs |
| MNCSC625DS | 250 cm | with umbrella | 24 pcs |

 Touch Proof Ø 1,5 mm DIN 42802

MRI (Magnetic Resonance Imaging) compatible version see next page



Hook Wire Needle Electrodes

- Steel thread electrodes for intramuscular EMG examination.
- Length of the steel threads is 10 cm and insulated except for the wire tip PTFE.
- The wires are applied to the muscle through a 25g disposable hypodermic needle.
- Wires without connector will be gripped at the end by a alligator clip cable (page 102 + S. 104) or a IOM clamp (page 107).

| Code | Polarity | Needle Length | Connector | Pack |
|----------------|-----------|---------------|-------------------|--------|
| DIMW1105030101 | monopolar | 30 mm | without connector | 10 pcs |
| DIMW1105050101 | monopolar | 50 mm | without connector | 10 pcs |
| DIMW1105030102 | bipolar | 30 mm | without connector | 10 pcs |
| DIMW1105050102 | bipolar | 50 mm | without connector | 10 pcs |
| DIMW11050301P1 | monopolar | 30 mm | 1 mm | 10 pcs |
| DIMW11050501P1 | monopolar | 50 mm | 1 mm | 10 pcs |
| DIMW11050301P2 | bipolar | 30 mm | 1 mm | 10 pcs |
| DIMW11050501P2 | bipolar | 50 mm | 1 mm | 10 pcs |



IOM/ Disposable Corkscrew Electrodes

Twisted Corkscrew Steel Needle Electrodes

Our twisted cork screw needle electrodes provide excellent signal recording and effective stimulation on the patient.


| Code | Cable Length | Description | Pack |
|-------------|--------------|------------------|--------|
| MNCS0610DTS | 2 x 100 cm | without umbrella | 12 set |
| MNCS0615DTS | 2 x 150 cm | without umbrella | 12 set |
| MNCS0625DTS | 2 x 250 cm | without umbrella | 12 set |
| MNCSC610DTS | 2 x 100 cm | with umbrella | 12 set |
| MNCSC615DTS | 2 x 150 cm | with umbrella | 12 set |
| MNCSC625DTS | 2 x 250 cm | with umbrella | 12 set |


MRI (Magnetic Resonance Imaging) compatible version available on request 

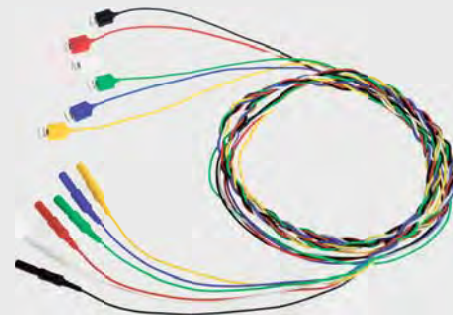


Twisted Corkscrew Steel Needle Electrodes

| Code | Cable Length | Pack |
|-------------|--------------|--------|
| MNCS0615DT5 | 5 x 150 cm | 10 set |
| MNCS0615DT6 | 6 x 150 cm | 10 pcs |

 Touch Proof Ø 1,5 mm DIN 42802


MRI (Magnetic Resonance Imaging) compatible version available on request 



MRI Corkscrew Steel Electrodes

Suitable for recording the EEG signal during magnetic resonance imaging

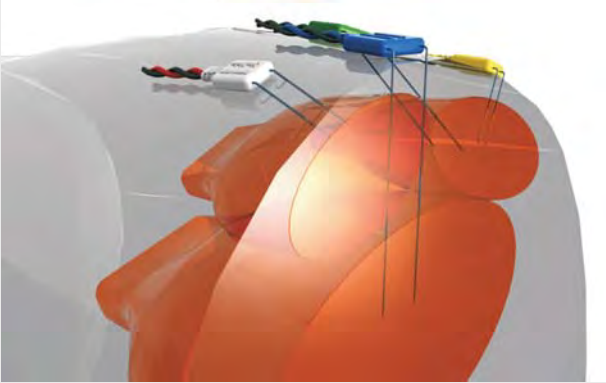
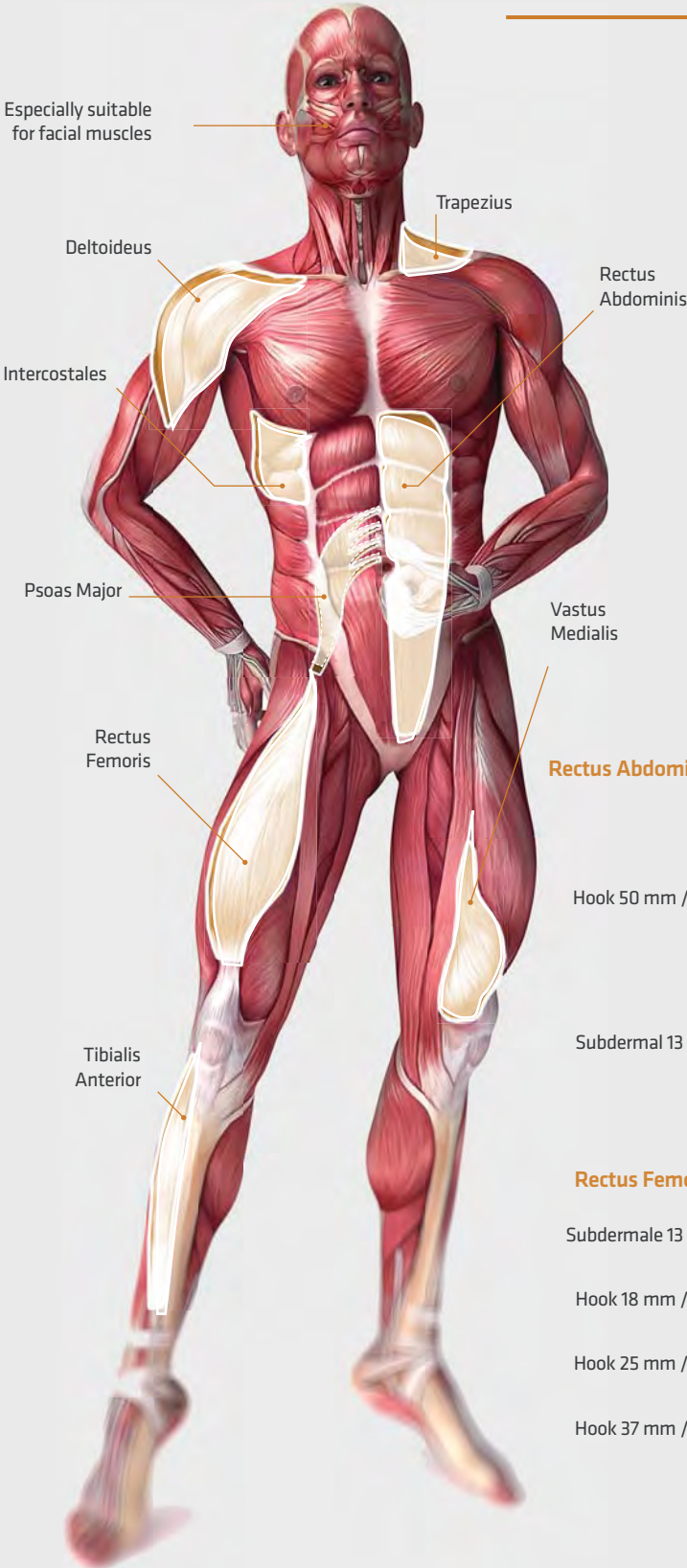
| Code | Cable Length | Description | Pack |
|----------------|--------------|------------------|--------|
| MNCS0610DS-MRI | 100 cm | without umbrella | 24 pcs |
| MNCS0615DS-MRI | 150 cm | without umbrella | 24 pcs |
| MNCS0625DS-MRI | 250 cm | without umbrella | 24 pcs |
| MNCSC610DS-MRI | 100 cm | with umbrella | 24 pcs |
| MNCSC615DS-MRI | 150 cm | with umbrella | 24 pcs |
| MNCSC625DS-MRI | 250 cm | with umbrella | 24 pcs |

 Touch Proof Ø 1,5 mm DIN 42802



Hook Needle

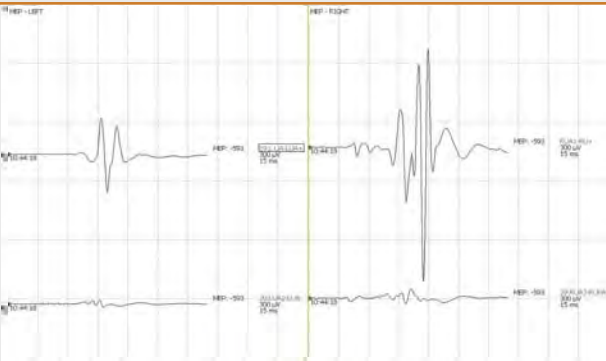
Hook Needle Position Scheme



Rectus Abdominis

Hook 50 mm / 30°

Subdermal 13 mm



Rectus Femoris

Subdermale 13 mm

Hook 18 mm / 90°

Hook 25 mm / 90°

Hook 37 mm / 90°

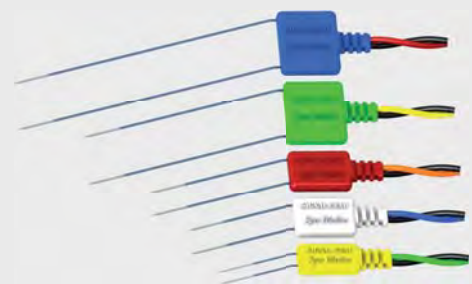


IOM / Disposable Needle Electrodes

Hook Electrodes made of steel

- Predefined electrodes distance for best precision in the application.
- Pair of intramuscular electrodes developed to ensure optimal signal amplitude registration.
- Available in different inclinations to allow optimal positioning of the needle.

| Code | Needle Length | Needle Diameter | Electrode Distance | Cable Length | Pack |
|------------------|---------------|-----------------|--------------------|--------------|--------|
| Angle 30° | | | | | |
| TFDN351330 | 13 mm | ● 0,35 mm | 2,5 mm | 100 cm | 10 pcs |
| TFDN351331 | 13 mm | ● 0,35 mm | 2,5 mm | 150 cm | 10 pcs |
| TFDN351333 | 13 mm | ● 0,35 mm | 2,5 mm | 250 cm | 10 pcs |
| TFDN451830 | 18 mm | ○ 0,45 mm | 5 mm | 100 cm | 10 pcs |
| TFDN451831 | 18 mm | ○ 0,45 mm | 5 mm | 150 cm | 10 pcs |
| TFDN451833 | 18 mm | ○ 0,45 mm | 5 mm | 250 cm | 10 pcs |
| TFDN452530 | 25 mm | ● 0,45 mm | 5 mm | 100 cm | 10 pcs |
| TFDN452531 | 25 mm | ● 0,45 mm | 5 mm | 150 cm | 10 pcs |
| TFDN452533 | 25 mm | ● 0,45 mm | 5 mm | 250 cm | 10 pcs |
| TFDN453730 | 37 mm | ● 0,45 mm | 10 mm | 100 cm | 10 pcs |
| TFDN453731 | 37 mm | ● 0,45 mm | 10 mm | 150 cm | 10 pcs |
| TFDN453733 | 37 mm | ● 0,45 mm | 10 mm | 250 cm | 10 pcs |
| TFDN455030 | 50 mm | ● 0,45 mm | 10 mm | 100 cm | 10 pcs |
| TFDN455031 | 50 mm | ● 0,45 mm | 10 mm | 150 cm | 10 pcs |
| TFDN455033 | 50 mm | ● 0,45 mm | 10 mm | 250 cm | 10 pcs |



| Code | Needle Length | Needle Diameter | Electrode Distance | Cable Length | Pack |
|------------------|---------------|-----------------|--------------------|--------------|--------|
| Angle 90° | | | | | |
| TFDN351340 | 13 mm | ● 0,35 mm | 2,5 mm | 100 cm | 10 pcs |
| TFDN351341 | 13 mm | ● 0,35 mm | 2,5 mm | 150 cm | 10 pcs |
| TFDN351343 | 13 mm | ● 0,35 mm | 2,5 mm | 250 cm | 10 pcs |
| TFDN451840 | 18 mm | ○ 0,45 mm | 5 mm | 100 cm | 10 pcs |
| TFDN451841 | 18 mm | ○ 0,45 mm | 5 mm | 150 cm | 10 pcs |
| TFDN451843 | 18 mm | ○ 0,45 mm | 5 mm | 250 cm | 10 pcs |
| TFDN452540 | 25 mm | ● 0,45 mm | 5 mm | 100 cm | 10 pcs |
| TFDN452541 | 25 mm | ● 0,45 mm | 5 mm | 150 cm | 10 pcs |
| TFDN452543 | 25 mm | ● 0,45 mm | 5 mm | 250 cm | 10 pcs |
| TFDN453740 | 37 mm | ● 0,45 mm | 10 mm | 100 cm | 10 pcs |
| TFDN453741 | 37 mm | ● 0,45 mm | 10 mm | 150 cm | 10 pcs |
| TFDN453743 | 37 mm | ● 0,45 mm | 10 mm | 250 cm | 10 pcs |
| TFDN455040 | 50 mm | ● 0,45 mm | 10 mm | 100 cm | 10 pcs |
| TFDN455041 | 50 mm | ● 0,45 mm | 10 mm | 150 cm | 10 pcs |
| TFDN455043 | 50 mm | ● 0,45 mm | 10 mm | 250 cm | 10 pcs |



Disposable Needle Electrodes / IOM

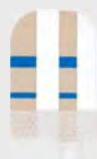


| Code | Needle Length | Needle Diameter | Electrode Distance | Cable Length | Pack |
|-----------------|---------------|-----------------|--------------------|--------------|--------|
| Angle 0° | | | | | |
| TFDN351300 | 13 mm | ● 0,35 mm | 2,5 mm | 100 cm | 10 pcs |
| TFDN351301 | 13 mm | ● 0,35 mm | 2,5 mm | 150 cm | 10 pcs |
| TFDN351303 | 13 mm | ● 0,35 mm | 2,5 mm | 250 cm | 10 pcs |
| TFDN451800 | 18 mm | ○ 0,45 mm | 5 mm | 100 cm | 10 pcs |
| TFDN451801 | 18 mm | ○ 0,45 mm | 5 mm | 150 cm | 10 pcs |
| TFDN451803 | 18 mm | ○ 0,45 mm | 5 mm | 250 cm | 10 pcs |
| TFDN452500 | 25 mm | ● 0,45 mm | 5 mm | 100 cm | 10 pcs |
| TFDN452501 | 25 mm | ● 0,45 mm | 5 mm | 150 cm | 10 pcs |
| TFDN452503 | 25 mm | ● 0,45 mm | 5 mm | 250 cm | 10 pcs |
| TFDN453700 | 37 mm | ● 0,45 mm | 10 mm | 100 cm | 10 pcs |
| TFDN453701 | 37 mm | ● 0,45 mm | 10 mm | 150 cm | 10 pcs |
| TFDN453703 | 37 mm | ● 0,45 mm | 10 mm | 250 cm | 10 pcs |
| TFDN455000 | 50 mm | ● 0,45 mm | 10 mm | 100 cm | 10 pcs |
| TFDN455001 | 50 mm | ● 0,45 mm | 10 mm | 150 cm | 10 pcs |
| TFDN455003 | 50 mm | ● 0,45 mm | 10 mm | 250 cm | 10 pcs |

Disposable Laryngeal Electrodes / IOM



LSE3446MCP075



LSE3446MCA075



LSE4246MCA075

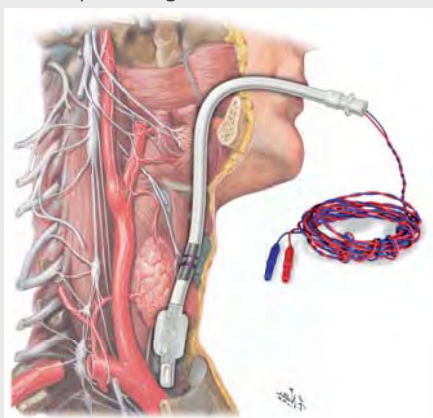


LSE3463DCA200



LSE4263DCA200

Correct positioning of the electrode



Dragonfly - Adhesive Laryngeal Electrodes

- The Dragonfly electrode is made of soft material to avoid any risk of injury while inserting the tube.
- Can be applied on any reinforced endotracheal tube.



| Code | Channels N° | ET Tube Diameter | Cable Length | Pack |
|---------------|-------------|------------------|--------------|--------|
| LSE3446MCP075 | 1 | 2.0-5.5 mm | 75 cm | 10 pcs |
| LSE3446MCA075 | 1 | 6.0-7.0 mm | 75 cm | 10 pcs |
| LSE4246MCA075 | 1 | 7.5-10.0 mm | 75 cm | 10 pcs |
| LSE3463DCA200 | 2 | 6.0-7.5 mm | 200 cm | 10 pcs |
| LSE4263DCA200 | 2 | 8.0-9.5 mm | 200 cm | 10 pcs |

Touch Proof Ø 1,5 mm DIN 42802

IOM / Disposable Laryngeal Electrodes

Integrated Laryngeal Electrodes



- The integrated endotracheal tube is a technological innovation as the electrodes are directly integrated into the surface of the tube.
- Large electrode area facilitates placement on the vocal cords.

| Code | Channels N° | ET Tube Diameter | Cable Length | Pack |
|--|-------------|------------------|--------------|-------|
| LSEPD-1-6-5 | 1 | 6 mm | 200 cm | 5 pcs |
| LSEPD-1-7-5 | 1 | 7 mm | 200 cm | 5 pcs |
| LSEPD-1-8-5 | 1 | 8 mm | 200 cm | 5 pcs |
|  Touch Proof Ø 1,5 mm DIN 42802 | | | | |
| LSEPD-2-6-5 | 2 | 6 mm | 200 cm | 5 pcs |
| LSEPD-2-7-5 | 2 | 7 mm | 200 cm | 5 pcs |
| LSEPD-2-8-5 | 2 | 8 mm | 200 cm | 5 pcs |
|  Touch Proof Ø 1,5 mm DIN 42802 | | | | |



Integrated Laryngeal Electrodes



- Armed version.

| Code | Channels N° | ET Tube Diameter | Cable Length | Pack |
|--|-------------|------------------|--------------|-------|
| LSEPA01 | 1 | 6 mm | 200 cm | 5 pcs |
| LSEPA02 | 1 | 7 mm | 200 cm | 5 pcs |
| LSEPA03 | 1 | 8 mm | 200 cm | 5 pcs |
|  Touch Proof Ø 1,5 mm DIN 42802 | | | | |
| LSEPA05 | 2 | 6 mm | 200 cm | 5 pcs |
| LSEPA06 | 2 | 7 mm | 200 cm | 5 pcs |
| LSEPA07 | 2 | 8 mm | 200 cm | 5 pcs |
|  Touch Proof Ø 1,5 mm DIN 42802 | | | | |



Integrated Laryngeal Electrodes

- Not armed version.

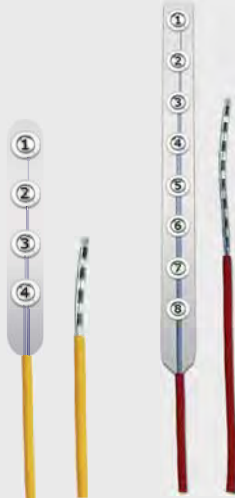
| Code | Channels N° | ET Tube Diameter | Cable Length | Pack |
|--|-------------|------------------|--------------|-------|
| LSEP001 | 1 | 6 mm | 200 cm | 5 pcs |
| LSEP002 | 1 | 7 mm | 200 cm | 5 pcs |
| LSEP003 | 1 | 8 mm | 200 cm | 5 pcs |
|  Touch Proof Ø 1,5 mm DIN 42802 | | | | |
| LSEP005 | 2 | 6 mm | 200 cm | 5 pcs |
| LSEP006 | 2 | 7 mm | 200 cm | 5 pcs |
| LSEP007 | 2 | 8 mm | 200 cm | 5 pcs |
|  Touch Proof Ø 1,5 mm DIN 42802 | | | | |



Strip Electrodes / IOM

Strip Electrodes without plug

- 3 mm recording points with 10 mm distance and 200 cm connecting cable without plug.



| Code | Description | Material | Pack |
|-------------|------------------------|----------|------|
| TS0214-E1W0 | 1 x 2 recording points | steel | 1 pc |
| TS0414-E1W0 | 1 x 4 recording points | steel | 1 pc |
| TS0614-E1W0 | 1 x 6 recording points | steel | 1 pc |
| TS0814-E1W0 | 1 x 8 recording points | steel | 1 pc |
| TP0214-E1W0 | 1 x 2 recording points | platinum | 1 pc |
| TP0414-E1W0 | 1 x 4 recording points | platinum | 1 pc |
| TP0614-E1W0 | 1 x 6 recording points | platinum | 1 pc |
| TP0814-E1W0 | 1 x 8 recording points | platinum | 1 pc |

Strip Electrodes with plug

- 3 mm recording points with 10 mm distance and 200 cm connecting cable with 1,5mm DIN plug.



| Code | Description | Material | Pack |
|-------------|------------------------|----------|------|
| TS0214-E726 | 1 x 2 recording points | steel | 1 pc |
| TS0414-E726 | 1 x 4 recording points | steel | 1 pc |
| TS0614-E726 | 1 x 6 recording points | steel | 1 pc |
| TS0814-E726 | 1 x 8 recording points | steel | 1 pc |
| TP0214-E726 | 1 x 2 recording points | platinum | 1 pc |
| TP0414-E726 | 1 x 4 recording points | platinum | 1 pc |
| TP0614-E726 | 1 x 6 recording points | platinum | 1 pc |
| TP0814-E726 | 1 x 8 recording points | platinum | 1 pc |



Strip Electrodes with plug

- 3 mm recording points with 10 mm distance and 200 cm connecting cable with 1,5mm DIN plug.

| Code | Description | Material | Pack |
|--------------|------------------------|----------|------|
| TSQ0414-E726 | 1 x 4 recording points | steel | 1 pc |
| TPQ0414-E726 | 1 x 4 recording points | platinum | 1 pc |

IOM / Grid Electrodes

Grid Electrodes without plug

- 3 mm recording points with 10 mm distance and 200 cm connecting cable with 1,5mm DIN plug.

| Code | Description | Material | Pack |
|--------------|-------------------------|----------|------|
| GS1613-4E1W0 | 1 x 16 recording points | steel | 1 pc |
| GP1613-4E1W0 | 1 x 16 recording points | platinum | 1 pc |



Grid Electrodes without plug

- 3 mm recording points with 10 mm distance and 200 cm connecting cable with 1,5mm DIN plug.

| Code | Description | Material | Pack |
|--------------|-------------------------|----------|------|
| GS3213-4E2W0 | 1 x 32 recording points | steel | 1 pc |
| GP3213-4E2W0 | 1 x 32 recording points | platinum | 1 pc |



Grid Electrodes without plug

- 3 mm recording points with 10 mm distance and 200 cm connecting cable with 1,5mm DIN plug.

| Code | Description | Material | Pack |
|--------------|-------------------------|----------|------|
| GS6413-8E8W0 | 1 x 64 recording points | steel | 1 pc |
| GP6413-8E8W0 | 1 x 64 recording points | platinum | 1 pc |



In Line Cable for Grid Electrodes

- for Electrodes with 4 - 16 contacts.
- with 200 cm cable and 1,5 mm DIN plug.

| Code | Description | Pack |
|------------|-------------|------|
| KPI-04-726 | 4 contacts | 1 pc |
| KPI-06-726 | 6 contacts | 1 pc |
| KPI-08-726 | 8 contacts | 1 pc |
| KPI-16-726 | 16 contacts | 1 pc |





Sphenoidal electrode

· Sphenoidal electrode is used together with surface electrodes.

| Code | Description | Material | Pack |
|-------------|---------------------|----------|------|
| TS01X1-E426 | Crimped version | steel | 1 pc |
| TP01X1-E426 | Crimped version | platinum | 1 pc |
| TS01X3-E426 | Non crimped version | steel | 1 pc |
| TP01X3-E426 | Non crimped version | platinum | 1 pc |

Depth electrode

· First recording surface on the depth electrode is located on the tip of the electrode.
 · The distance is measured from centre point to centre point of the electrode.
 EEG Depth electrode is made of platinum.



| Code | Recording Area / Distance | No. Electrodes | Pack |
|-------------|---------------------------|----------------|------|
| DP040X-E1W0 | 2 mm / 5 mm | 4 | 1 pc |
| DP060X-E1W0 | 2 mm / 5 mm | 6 | 1 pc |
| DP080X-E1W0 | 2 mm / 5 mm | 8 | 1 pc |
| DP100X-E1W0 | 2 mm / 5 mm | 10 | 1 pc |
| DP041X-E1W0 | 5 mm / 10 mm | 4 | 1 pc |
| DP061X-E1W0 | 5 mm / 10 mm | 6 | 1 pc |

s EEG Depth electrode

· Small diameter of 0,8 mm, recording surface 2 mm.
 · The distance is measured from centre point to centre point of the electrode.
 · s EEG Depth electrode is made of platinum.

| Code | Recording Area / Distance | No. Electrodes | Pack |
|-------------|---------------------------|----------------|------|
| DP081X-E1W0 | 2 mm / 3,5 mm | 8 | 1 pc |
| DP101X-E1W0 | 2 mm / 3,5 mm | 10 | 1 pc |
| DP121X-E1W0 | 2 mm / 3,5 mm | 12 | 1 pc |
| DP161X-E1W0 | 2 mm / 3,5 mm | 16 | 1 pc |

IOM / Ear Plugs and Accessories

Foam Earplugs

· Earplugs available in two different colours and diameters.

| Code | Diameter | Colour | Pack |
|-----------|----------|--------|--------|
| 1700-9604 | 13 mm | yellow | 50 pcs |
| 1700-9605 | 10 mm | beige | 50 pcs |



Disposable Ear Electrodes

· Gold Foil electrode and ear plug all in one.

| Code | Diameter | Colour | Pack |
|-----------|----------|-----------|--------|
| ENT-10-R0 | 10 mm | gold foil | 20 pcs |
| ENT-13-R0 | 13 mm | gold foil | 20 pcs |



Ear Plug

· 4 mm ear piece flanged. Latex free.

| Code | Diameter | Colour | Pack |
|------------|-------------|--------|--------|
| ENT-04-F-R | 4 mm flange | red | 25 pcs |



Ear Plug

· Ear Plug fits for ear canal of children

| Code | Diameter | Colour | Pack |
|-----------|----------|--------|--------|
| ENT-03-II | 3,5 mm | red | 10 pcs |



Ear Plugs and Accessories / IOM

Ear Plug

· Available in different colors and sizes.



| Code | Diameter | Colour | Pack |
|------------|------------------|--------|--------|
| ENT-09-P-G | 9 mm - fungus | green | 25 pcs |
| ENT-10-S-B | 10 mm - umbrella | blue | 25 pcs |
| ENT-12-P-Y | 12 mm - fungus | yellow | 25 pcs |
| ENT-15-P-B | 15 mm - fungus | blue | 25 pcs |
| ENT-15-S-R | 15 mm - umbrella | red | 25 pcs |
| ENT-19-P-Y | 19 mm - fungus | yellow | 25 pcs |
| ENT-19-S-B | 19 mm - umbrella | blue | 25 pcs |

Ear Plug Adapter

· Use earplugs with your headphones.
· No distortion of the stimuli.



| Code | Colour | Pack |
|---------|-------------|-------|
| ENT-ADT | transparent | 6 pcs |

Sound Tubes

· 50 Ohm sound tubes are used to replace defective tubes.



| Code | Colour | Pack |
|-----------|----------|-------|
| 1700-9688 | blue/red | 6 pcs |

Sound Tube Adapter



| Code | Colour | Pack |
|-----------|--------|--------|
| 1700-9686 | white | 10 pcs |

NEURO.FLUID.
PASTES - GELS - EMULSIONS



ac cream
Conductive and adhesive paste for EEG electrodes
250 g e

ac Cream
Conductive and adhesive paste for EEG electrodes

Pastes and Gels

Ac Cream

- Highly conductive and adhesive paste for long-lasting EEG recordings.
- Easily removable and washable.

| Code | Description | Package | Pack |
|---------------|-------------------------------|------------|-------|
| ACCREAM250V-3 | Adhesive and conductive paste | Jar 250 gr | 3 pcs |
| ACCREAM100V | Adhesive and conductive paste | Jar 100 gr | 3 pcs |
| ACCREAM050V | Adhesive and conductive paste | Jar 50 gr | 6 pcs |



Neurgel

- Highly conductive gel.
- Guarantees low impedance and excellent signal stability.
- Reduces the risk of bridge effect between the electrodes.

| Code | Description | Package | Pack |
|-----------------|----------------|---------------|--------|
| NEURGEL250V-3 | Conductive gel | Jar 250 gr | 3 pcs |
| NEURGEL250F-BOX | Conductive gel | Bottle 250 gr | 12 pcs |
| NEURGEL250F | Conductive gel | Bottle 250 gr | 1 pc |
| NEURGEL025T-6 | Conductive gel | Tube 25 gr | 6 pcs |
| NEURGEL500V | Conductive gel | Jar 500 gr | 1 pc |
| NEURGEL1000V | Conductive gel | Jar 1000 gr | 1 pc |



Upgrade +

Neurprep

- New formulation suitable for skin preparation before EEG recording.
- Guarantees low impedance.
- Dermatologically tested for the most sensitive skins.

| Code | Description | Package | Pack |
|-------------|----------------|-------------|-------|
| NPREP120T-3 | Degreasing gel | Tube 120 gr | 3 pcs |
| NPREP025T | Degreasing gel | Tube 25 gr | 6 pcs |



Everi

- Specific product for skin preparation before registration.
- Guarantees low impedance and increased adhesion of the electrode to the skin.

| Code | Description | Package | Pack |
|----------------|----------------|---------------|--------|
| EVERI160SPE-24 | Degreasing gel | Bottle 160 gr | 24 pcs |
| EVERI | Degreasing gel | Bottle 160 gr | 1 pcs |



Pastes and Gels



Nuprep

· Recommended gel for improving recording quality due to reduced impedance.

| Code | Description | Package | Pack |
|-----------------|------------------|-------------|------------|
| NUPREP-SET | Skin Preparation | Tube 114 gr | 3 pcs |
| NUPREP-BOX | Skin Preparation | Tube 114 gr | 50 x 3 pcs |
| NUPREP-MINI-SET | Skin Preparation | Tube 25 gr | 6 pcs |



Skin Pure

· Abrasive paste to prepare the skin before an EEG examination.

| Code | Description | Package | Pack |
|-------------|------------------|-------------|-----------|
| SKIN-PURE | Skin Preparation | Tube 135 gr | 2 pcs |
| SKIN-PURE-B | Skin Preparation | Tube 135 gr | 5 x 2 pcs |



Ten20

· Neurodiagnostic contact paste which does not dry.
· No lumps, no second apply necessary, washable, easy to clean, no residue.

| Code | Description | Package | Pack |
|--------------|----------------|-------------|------------|
| TEN-20-SET | Adhesive paste | Jar 114 gr | 3 pcs |
| TEN-20-T-SET | Adhesive paste | Tube 114 gr | 3 pcs |
| TEN-20-8-SET | Adhesive paste | Jar 226 gr | 3 pcs |
| TEN-20-BOX | Adhesive paste | Jar 114 gr | 50 x 3 pcs |
| TEN-20-T-BOX | Adhesive paste | Tube 114 gr | 50 x 3 pcs |
| TEN-20-8-BOX | Adhesive paste | Jar 226 gr | 25 x 3 pcs |



Elefix

· Adhesive and conductive paste for EEG and EP.

| Code | Description | Package | Pack |
|-----------|-------------------------------|-------------|--------|
| ELEFIX-TS | Adhesive and conductive paste | Tube 180 gr | 10 pcs |
| ELEFIX-S | Adhesive and conductive paste | Jar 400 gr | 3 pcs |
| ELEFIX-T | Adhesive and conductive paste | Tube 180 gr | 1 pcs |
| ELEFIX | Adhesive and conductive paste | Jar 400 gr | 1 pcs |

Pastes and Gels

Signa Gel

· Electrode gel for use in EEG -EP.

| Code | Description | Package | Pack |
|-------------|--------------|-------------|-------|
| SIGNA-GEL | Electode gel | Tube 250 gr | 1 pc |
| SIGNA-GEL-S | Electode gel | Tube 250 gr | 12 pc |



Spectra Gel

· Salt free electrode gel for use in EEG -EP.

| Code | Description | Package | Pack |
|-----------|---------------|-------------|--------|
| SPECTRA | Electrode gel | Tube 250 gr | 1 pc |
| SPECTRA-S | Electrode gel | Tube 250 gr | 12 pcs |



Signa Spray

· Electrolyte spray for skin preparation. Biostatic, hypoallergenic, no residue

| Code | Description | Package | Pack |
|-------------|-------------------|---------------|--------|
| SIGNA-SPRAY | Electrolyte spray | Bottle 250 ml | 12 pcs |



ECI Gel

- For recording with different electro caps.
- To ensure the best possible reduction of the electrode resistance.

| Code | Package | Pack |
|------|------------|------|
| E-9 | Jar 480 g | 1 pc |
| E-10 | Jar 960 g | 1 pc |
| E-11 | Jar 3780 g | 1 pc |



Pastes and Gels

Tensive

- Tensive is water soluble, immediately conductive and antibacterial.
- For secure attachment of electrodes.



| Code | Package | Pack |
|-----------|-------------|--------|
| TENSIVE-1 | Tube 100 gr | 1 pc |
| TENSIVE | Tube 100 gr | 12 pcs |

LIC 2

- For adhesion and conducting during the EEG and PSG examination.



| Code | Package | Pack |
|----------|-------------|--------|
| LIC2-1 | Tube 100 gr | 1 pc |
| LIC2-SET | Tube 100 gr | 10 pcs |

EC-2

- Adhesive and conductive paste that ensures excellent adhesion of the electrode for long EEG recordings.



| Code | Description | Package | Pack |
|-------|-------------------------------|-------------|--------|
| SEC-2 | Adhesive and conductive paste | Tube 100 gr | 10 pcs |
| EC-2 | Adhesive and conductive paste | Tube 100 gr | 1 pcs |

Synapse

- For NASA developed EEG contact cream.
- Especially for routine check up and long term monitoring.



| Code | Description | Package | Pack |
|-----------|---------------|---------------|--------|
| SYNAPSE | Contact creme | Bottle 140 gr | 1 pc |
| SYNAPSE-S | Contact creme | Bottle 140 gr | 12 pcs |

Signa Creme

- EEG contact creme to reduce skin contact resistance.
- No adhesive effect.



| Code | Description | Package | Pack |
|---------------|---------------|---------------|--------|
| SIGNA-CREME | Contact creme | Bottle 142 gr | 1 pc |
| SIGNA-CREME-S | Contact creme | Bottle 142 gr | 12 pcs |

Pastes and Gels

Collodion

- Adhesive paste for long-lasting EEG recordings.

| Code | Description | Package | Pack |
|-------------|-------------------------------|-------------|--------|
| COLLODION-5 | High viscosity adhesive paste | Tube 6,5 ml | 20 pcs |



Rinsing Solution

| Code | Package | Pack |
|-------------|----------------|-------|
| 9348035-SET | Bottle 1000 ml | 6 pcs |



OneStep

- Long conductivity and low measuring resistance.
- Without fat and alcohol.
- Skin-friendly and odorless.
- The abrasive gel has a stronger grain size and a firm consistency.

| Code | Description | Package | Pack |
|--------|-------------------------|------------|------|
| 10-100 | EEG Conductive Gel | Tube 120 g | 1 pc |
| 10-200 | Abrasive Conductive Gel | Tube 120 g | 1 pc |



Ivory

- Lotion for cleaning the EEG headcap.

| Code | Description | Package | Pack |
|--------|-------------|---------------|------|
| E-16-F | Emulsion | Bottle 700 ml | 1 pc |



Adhesive Remover

- The acetone-free Collodion remover for sensitive skin is well tolerated.
- It also contains no other toxic substances and is water-soluble.

| Code | Description | Package | Pack |
|----------|-------------|---------------|------|
| MD0013-P | Remover | Bottle 500 ml | 1 pc |



Pastes and Gels

Gigasept



· Liquid disinfectant with cleaning effect.

| Code | Description | Package | Pack |
|-------------------|--------------|---------------|------|
| GIGASEPT-FFNeu-2L | Disinfectant | Bottle 2 L | 1 pc |
| GIGASEPT-FFNeu-5L | Disinfectant | Container 5 L | 1 pc |

Korsolex Plus



· Fluid disinfectant without aldehydes

| Code | Description | Package | Pack |
|------------------|--------------|---------------|------|
| KORSOLEX-PLUS-2L | Disinfectant | Bottle 2 L | 1 pc |
| KORSOLEX-PLUS-5L | Disinfectant | Container 5 L | 1 pc |

Product Information

Test review regarding CT-suitable pastes and gels

Due to frequent requests we have checked the CT-suitability of our pastes and gels in extensive tests.

We would like to provide these results to you:



Ten20
Conductive paste

not visible,
no artefacts



Neurgel
Saline gel

inappropriate,
artefacts



ELEFIX
Conductive paste

visible,
no artefacts



Ac Cream
Conductive paste

visible,
no artefacts



SYNAPSE
Conductive creme

visible,
no artefacts



EC-2
Conductive creme

inappropriate,
artefacts



GVB-SPES provide a wide range of Polysomnography transducers, characterized by excellent signal precision and maximum long-lasting quality over time.


- Disposable Sensors
- Reusable Sensors
- Airflow Cannulas

PSG / Sensors

Piezocrystal - Effort Sensor

- Piezocrystal is suspended in a small case. This method enables exact, reliable signals.
- The sensor is equipped with a double buckle or double sling.
- The sensor can be fixed with a double buckle (belt clip R53-1350) or double loop (R53-1340/1341). These can be found on page 152.

| Code | Description | Details | Pack |
|--------------|--------------------------|---------|-------|
| R53-1370 | Single sensor | Buckle | 1 pc |
| R53-1370-KIT | Sensor with belt | Buckle | 1 kit |
| R53-1397 | Single sensor ALICE 3 | Buckle | 1 pc |
| R53-1397-KIT | Sensor ALICE 3 with belt | Buckle | 1 kit |
| R53-1390 | Sensormedics | Buckle | 1 pc |
| R53-1387 | Single sensor | Sling | 1 pc |
| R53-1387-KIT | Sensor with belt | Sling | 1 kit |


 Touch Proof Ø 1,5 mm DIN 42802



Piezocrystal - Effort Sensor

- Piezo-crystal sensor is equipped with a velcro strap and can be applied to a velcro strap R53-... (see page 152) by its velcro fasteners.

| Code | Size | Pack |
|--------------|-------------------------|-------|
| R53-1388 | Single sensor | 1 pc |
| R53-1388-KIT | Single sensor with belt | 1 kit |

 Touch Proof Ø 1,5 mm DIN 42802



Piezofilm Breathing Effort Sensor

- Piezofilm sensors are used to measure the breathing of chest and abdominal.
- The sensor has a piezoelectric film which produced low voltage while the expansion.
- The sensor is fixed by a Velcroband R53-1340 / 1341 (see page 152).

| Code | Description | Size | Pack |
|--------------|-------------------------|-------|-------|
| R53-1389 | Sensor | Adult | 1 pc |
| R53-1389_KIT | Sensor with belt 173 cm | Adult | 1 kit |

 Touch Proof Ø 1,5 mm DIN 42802




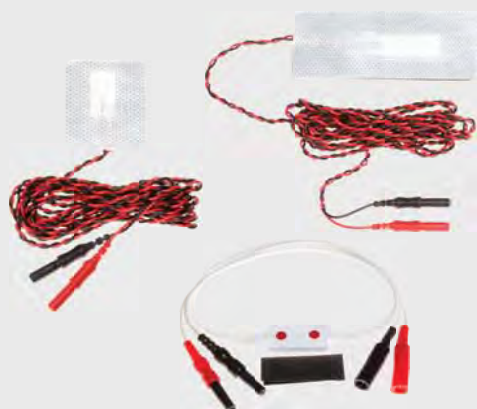


Reusable Respiratory Effort Sensor

- Band is made with elastic and comfortable materials for increased patient comfort.
- Piezoelectric sensor.


Upgrade

| Code | Model | Size | Pack |
|---|---------------|-----------|------|
| RESPA00000 | Abdomen/Chest | Adult | 1 pc |
| RESPP00000 | Abdomen/Chest | Pediatric | 1 pc |
|  Touch Proof Ø 1,5 mm DIN 42802 Cable Length 200 cm | | | |



Disposable Respiratory Effort Sensor

- Higher comfort during sleep recording by fixing without straps.
- Outstanding adhesive properties prevent slipping during recording.
- Sensors are attached directly on the body.

| Code | Model | Size | Pack |
|---|---------------|-----------|-------|
| RESPA000200 | Abdomen/Chest | Adult | 5 pcs |
| RESPP000200 | Abdomen/Chest | Pediatric | 5 pcs |
|  Touch Proof Ø 1,5 mm DIN 42802 Cable Length 200 cm | | | |

| Code | Description | Cable Length | Pack |
|------------|---|--------------|------|
| BMDS00260R | Connection Cable for Disposable Respiratory Effort Sensor | 60 cm | 1 pc |

- Compatible with all device connections
- Lightweight flexible material, comfortable for the patient
- Washable, sterilizable and autoclavable
- 6 different color codings for all patient sizes
- Minimum life expectancy up to 50 applications



Inductive Breathing Belt


- The principle of these breathing straps is based on the fact that the sensors with a wire that is flooded with a current.
- Stretching the ligaments while breathing changes the induction field.

| Code | Length | Color | Pack |
|---------------|--------|-------|--------|
| R53-9002-L20 | 20 cm | white | 1 pair |
| R53-9002-L40 | 40 cm | white | 1 pair |
| R53-9002-L60 | 60 cm | white | 1 pair |
| R53-9002-L90 | 90 cm | white | 1 pair |
| R53-9002-L120 | 120 cm | white | 1 pair |
| R53-9002-L150 | 150 cm | white | 1 pair |
| R53-9003-L20 | 20 cm | blue | 1 pair |
| R53-9003-L40 | 40 cm | blue | 1 pair |
| R53-9003-L60 | 60 cm | blue | 1 pair |
| R53-9003-L90 | 90 cm | blue | 1 pair |
| R53-9003-L120 | 120 cm | blue | 1 pair |
| R53-9003-L150 | 150 cm | blue | 1 pair |

PSG / Sensors

Multi RIP - Inductive Connection Module



- Multi RIP SUM channel system to measure the thoracic and abdominal effort signal.
- To provide accurate and reliable respiratory effort signals.
- With the chest and abdominal cable sets of this Multi-RIP connection module, almost every PSG-system can be connected to the inductive bands.
- The Multi-RIP module kit includes: 1 Multi-RIP module, 1 cable set (chest), 1 cable set (abdominal) and 1 SUM-canal cable set.

| Code | Size | Pack |
|--------------|---|-------|
| R53-9201-KIT | Modul + 3 cable sets | 1 kit |
| R53-9201 | Single Modul | 1 pc |
| R53-9202 | Cable set Abdominal (red) | 1 pc |
| R53-9203 | Cable set Chest (black) | 1 pc |
| R53-9204 | Cable set SUM channel  | 1 pc |



Inductive Chest Band and Connection Cable

- Chest strap is made of high quality, flexible and soft material.
- Adjustable closure for patients with different chest circumference.
- Inductive Interface Cables connect Inductive Belts to the PSG system
- Designed with durable, yet flexible materials.
- These cables are available for numerous PSG systems and require no calibration.


| Code | Model | Connectors | Pack |
|-------------|----------------------------|--|------|
| R53-9010 | Inductive Band | Snap | 1 pc |
| R53-9101 | Abdomen - Connection Cable |  Ø 1,5 mm | 1 pc |
| R53-9102 | Chest - Connection Cable |  Ø 1,5 mm | 1 pc |
| R53-9101-N0 | Abdomen - Connection Cable | KeyLog Connector | 1 pc |



Thermistor Air Flow Sensor with Interfacebox

- Comprising three or four heat sensitive elements, respiration flow sensors are placed under the patient's nostrils and produce a signal that is directly proportional to the temperature changes of air inhaled and exhaled during respiration. SleepSense thermal airflow sensors generate a small analog electrical voltage that provides a clear, reliable indication of respiration airflow. These sensors should be connected to the system's thermal-flow input.

| Code | Description | Pack |
|--------------|--------------------------|------|
| R74-1450-KIT | Sensor + Interfacebox | 1 pc |
| R74-1450-S | Singel Sensor | 1 pc |
| R74-1450-B | Replacement Interfacebox | 1 pc |

 Touch Proof Ø 1,5 mm DIN 42802

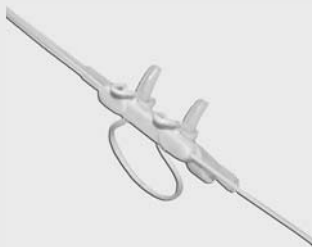




Thermocouple air flow sensor (nasal/oral)

- SleepSense respiration flow sensor produces a signal that is directly proportional to the temperature changes of air inhaled and exhaled during respiration.
- A small voltage is produced if there is a minor temperature change at the thermo air flow sensors, which the polygraph detects and records. The thermocouples of the air flow sensors are rugged, steady and generate a continuous breath flow signal.

| Code | Description | Pack |
|----------|---------------|------|
| R74-1401 | Adult, 3 ways | 1 pc |



Thermocouple air flow sensor (nasal/oral)

- SleepSense thermal airflow sensors generate a small analog electrical voltage that provides a clear, reliable indication of respiration airflow.
- The PTFlow Thermocouple sensor has a hanger that can be easily fixed to a nasal cannula for adults. This sensor can be used simultaneously with a pressure cannula while ensuring patient comfort.

| Code | Description | Pack |
|------------|---------------|------|
| R74-1401-H | Adult, 3 ways | 1 pc |



Thermocouple air flow sensor (child)

- The Pediatric Sleep Sense thermocouple airflow sensor was specially designed in terms of stability and comfort for paediatric use. This rugged thermal air flow sensor generates continuous reliable and accurate respiratory signals all night long.


| Code | Description | Pack |
|------------|--------------------------|------|
| R74-1401-P | Infant, premature babies | 1 pc |

Touch Proof Ø 1,5 mm DIN 42802

PSG / Sensor and Airflow Cannulas

Thermocouple air flow sensor


- Comprising of a single heat sensitive element, the oral respiration-flow sensor is attached onto the pressure cannula under the patient's nose.

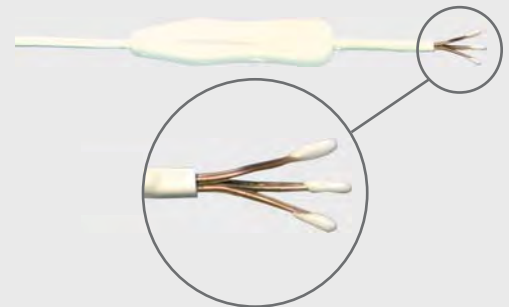
| Code | Description | Pack |
|--|-------------|------|
| R74-1413 | Adult | 1 pc |
|  Touch Proof Ø 1,5 mm DIN 42802 | | |



Thermocouple air flow sensor (infant)


- Due to the extra small size of the Thermocouples, a good signal can even be produced by a weaker flow .
- Designed for infants and premature babies to monitor the air stream.

| Code | Description | Pack |
|--|-------------------------|------|
| R74-1400 | Infant, pre born babies | 1 pc |
|  Touch Proof Ø 1,5 mm DIN 42802 | | |



Reusable Airflow Thermal Sensor

- Overmoulded in soft plastic probes for oral/nasal breathing recording.
- Made of flexible materials developed to ensure optimized patient comfort.


| Code | Model | Size | Pack |
|--|----------------|-----------|------|
| AIRFA00300 | Airflow 3 ways | Adult | 1 pc |
| AIRFP00300 | Airflow 3 ways | Pediatric | 1 pc |
| AIRFN00300 | Airflow 3 ways | Neonatal | 1 pc |
|  Touch Proof Ø 1,5 mm DIN 42802 | | | |
| Cable Length 200 cm | | | |
| Available in 1 way, 2 ways or divided ways | | | |



Bands, Sensor and Airflow Cannulas / PSG




Disposable Airflow Thermal Sensor

| Code | Model | Size | Pack |
|---|----------------|-------|-------|
| AIRFA0030D | Airflow 3 ways | Adult | 3 pcs |
|  Touch Proof Ø 1,5 mm DIN 42802 Cable Length 200 cm | | | |



Thermistor Air Flow Sensor

· Sensors are designed with a hanger on the back to firmly hold a pressure cannula in place. The sensor should be connected to the system's thermal-flow input.

| Code | Description | Pack |
|--|------------------------------|------|
| R74-1459-H | Alice 3 Sensor PTFLOW, adult | 1 pc |
| R74-1459 | Alice 3 Sensor, adult | 1 pc |
| R74-1460 | Alice 4 Sensor, adult | 1 pc |
| R74-1461-H | Alice 5 Sensor PTFLOW, adult | 1 pc |
| R74-1461 | Alice 5 Sensor, adult | 1 pc |
|  Touch Proof Ø 1,5 mm DIN 42802 | | |

Nasal Cannula

· Sleepsense cannulas provide flexible, narrow tubing to increase overall accuracy of the pressure flow signal.
 · The cannulas are available for adults and pediatric.




| Code | Size | Description | Cable Length | Pack |
|----------------|-----------|----------------|--------------|-------|
| R74-15805 | Adult | without filter | 214 cm | 5 pcs |
| R74-15805-FT | Adult | with filter | 214 cm | 5 pcs |
| R74-15805-2 | Adult | without filter | 61 cm | 5 pcs |
| R74-15805-2-FT | Adult | with filter | 61 cm | 5 pcs |
| R74-15804 | Pediatric | without filter | 214 cm | 5 pcs |
| R74-15804-FT | Pediatric | with filter | 214 cm | 5 pcs |
| R74-15804-2 | Pediatric | without filter | 61 cm | 5 pcs |
| R74-15804-2-FT | Pediatric | with filter | 61 cm | 5 pcs |

PSG / Sensors and Airflow Cannulas

Thermocouple air flow sensor (child)

- The AC Pressure + Snore Sensor is equipped with two outputs to monitor snore and pressure simultaneously.
- With its very small internal volume, the output signal exactly follows pressure trends even with a small lumen cannula.
- The pressure sensor plus has three sensitivity levels for the snore and air flow measuring.
- This sensor is great for use with CPAP titration.

| Code | Description | Pack |
|---------------|-----------------------------------|-------|
| R74-14830 | Single Sensor | 1 pc |
| R74-14830-KIT | Single Sensor + 5 breath cannulas | 1 kit |

 Touch Proof Ø 1,5 mm DIN 42802



Thermocan

- Thermocan is designed with integrated thermistor that allows a high quality recording of thermal flow and pressure monitoring.
- The device is disposable and complies with current AASM standards for nasal and oral/nasal thermal flow monitoring.

| Code | Size | Cable Length | Pack |
|-------------|-------|--------------|-------|
| R74-15807 | Adult | 210 cm | 5 pcs |
| R74-15807-2 | Adult | 60 cm | 5 pcs |

| Code | Description | Cable Length | Pack |
|----------|------------------|--------------|------|
| R74-1475 | Connection Cable | 200 cm | 1 pc |



Multi Press with Output Cables

- The Multi-Press is equipped with a calibrated DC pressure output as well as AC flow and snore channels.
- This sensor automatically turns on when breathing is detected and automatically shuts off if breathing is not detected for 5 minutes.
- The AC flow and snore sensitivities are adjustable through digital control over 5 levels and the unit has capability to monitor either positive or negative pressure.
- This sensor is great for use with CPAP titration.


| Code | Description | Pack |
|---------------|--------------------------------------|------|
| R74-14840-KIT | Multi Press, AC + DC cable | 1 pc |
| R74-14843-KIT | Multi Press, AC + DC cable (Alice 3) | 1 pc |



Piezo Movement Sensor

- Limb Movement Sensors are strategically strapped to the foot to monitor limbs movements.

| Code | Description | Pack |
|--------------|---------------------|--------|
| R99-1770-KIT | 1 Sensor + 2 Bands | 1 kit |
| R99-1770 | Single Sensor | 1 pc |
| R99-1730 | Elastic belt (heel) | 2 pair |

 Touch Proof Ø 1,5 mm DIN 42802



Position Sensor



- In the monitoring of body positions the reality of the position of the sensor relative to the direction of gravity is registered.
- Our position sensors are designed to cover the belly and back position in a wider angle, while the left- and right-sided position of the sensor will be forwarded only when the patient is actually within the confines of a narrow angle on the side.

| Code | Description | Pack |
|--------------|-----------------------------------|-------|
| R77-1561-KIT | AC Sensor with belt | 1 kit |
| R77-1561 | AC Sensor | 1 pc |
| R77-1564-KIT | DC Sensor with belt | 1 kit |
| R77-1564 | DC Sensor | 1 pc |
| R77-1575-KIT | DC Sensor with belt 1/8 zoll plug | 1 kit |
| R77-1575 | DC Sensor 1/8 zoll plug | 1 pc |
| R77-1566-KIT | Alice 4, DC Sensor with belt | 1 pc |
| R77-1566 | Alice 4, DC Sensor | 1 pc |
| R77-1567-KIT | Alice 5, DC Sensor with belt | 1 pc |
| R77-1567 | Alice 5, DC Sensor | 1 pc |

Touch Proof Ø 1,5 mm DIN 42802

Mini Eye Movement Sensor



- Mini Limp sensor (7 mm) was specifically designed for placement on the eyelids.
- Sensor (20 mm) is an extension of the Limp movement sensor for areas which difficult to reach.

| Code | Description | Pack |
|---------|--------------|------|
| R99-800 | Length 7 mm | 1 pc |
| R99-900 | Length 20 mm | 1 pc |

Touch Proof Ø 1,5 mm DIN 42802

Tremor Sensor



- Suitable for tremor analysis.
- The device is reusable.

| Code | Recorded Signal | Cable Length | Pack |
|------------|-----------------|--------------|------|
| TREM000000 | Tremor | 200 cm | 1 pc |

Touch Proof Ø 1,5 mm DIN 42802

Limb Movement Sensor


- Excellent patient comfort and long-lasting product over time.
- The device is reusable.

| Code | Recorded Signal | Cable Length | Pack |
|--|-----------------|--------------|------|
| LIMB000000 | Limb movement | 200 cm | 1 pc |
|  Touch Proof Ø 1,5 mm DIN 42802 | | | |



Disposable Snoring Sensor

· During the sleep recording several different sensors are mounted on the body of the patient. For reusable sensors the comfort for the patient is not as pleasant, as the sensors must be attached with straps. For this offer to disposable adhesive sensors, because they require no special attachment in the form of belts or else. Our disposable sensors are coated with a thin layer of solid, self-adhesive gel. This gel layer has the same structure as the disposable sensors for TENS. Thanks to their excellent adhesion properties they are firmly respiration sensors on the patient's body and prevent slippage during the recording.

| Code | Recorded Signal | Pack |
|--|-----------------|-------|
| SNOR000200 | Snoring | 1 pcs |
|  Touch Proof Ø 1,5 mm DIN 42802 | | |

| Code | Description | Cable Length | Pack |
|------------|-------------------------------------|--------------|------|
| BMDS00260S | Connection Cable for Snoring Sensor | 60 cm | 1 pc |



Reusable Snoring Sensor

- Converts snoring noises into an analogue signal.
- Ensures high quality recording in noisy environments.

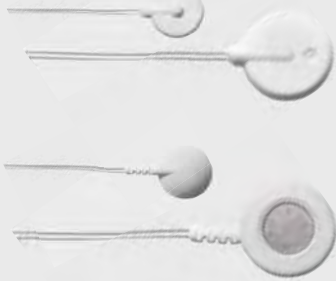
| Code | Recorded Signal | Cable Length | Pack |
|--|-----------------|--------------|------|
| SNOR000000 | Snoring | 200 cm | 1 pc |
|  Touch Proof Ø 1,5 mm DIN 42802 | | | |




PSG / Bands, Sensor and Airflow Cannulas

Snoring Sensor

- Piezo Sensors provides a signal proportional to the vibrations of the skin.
- Dynamic Sensors provides a signal proportional to the sound intensity.
- Electret Sensors are capacitive capsules powered by the system.
- They offer a wide frequency response and high sensitivity.



| Code | Description | Pack |
|----------|-----------------|------|
| R80-1250 | Piezo Sensor | 1 pc |
| R80-1200 | Dynamic Sensor | 1 pc |
| R80-1258 | Electret Sensor | 1 pc |
| R80-1261 | Electret Sensor | 1 pc |
| R80-1262 | Piezo Sensor | 1 pc |

 Touch Proof Ø 1,5 mm DIN 42802



Adapter

| Code | Description | Pack |
|-----------|---------------------------|------|
| R74-14807 | Luer to O2 Adapter | 5 pc |
| R74-14808 | Male to male Luer Adapter | 5 pc |



Sensor Tester

- It is possible to test cable breaks and functionality of the sensor.

| Code | Description | Pack |
|----------|-------------|------|
| R53-5100 | | 1 pc |



Straps and Bands

| Code | Description | Length | Pack |
|----------|---------------------|--------|------|
| R53-1340 | Velcro Stretch Band | 173 cm | 1 pc |
| R53-1341 | Velcro Stretch Band | 114 cm | 1 pc |
| R53-1342 | Velcro Stretch Band | 73 cm | 1 pc |
| R53-1343 | Velcro Stretch Band | 36 cm | 1 pc |
| R53-1350 | Stretch Clip Belt | 155 cm | 1 pc |





Due to our long-term experience we were able to support our partner SPES Medica in further development and production of innovative technologies as well as being involved in the development of high quality Defibrillation Pads

- Disposable Electrodes
- Reusable Electrodes
 - Defibrillation Pads
 - Connection Cables

ECG / Reusable Electrodes

Clamp Electrodes

- High recording performance.
- Excellent long-lasting product over time.
- Universal connector for Snap button, 2 and 4 mm plug connectors.

| Code | Size | Electrode Material | Pack |
|----------|-----------|--------------------|-------|
| CLAG000M | Adult | AgCl | 4 pcs |
| CLAGP00M | Pediatric | AgCl | 4 pcs |

Nickel version is available on request.



Suction Chest Electrode

- Excellent adhesion to the patients skin.
- High recording performance.
- Universal connector for Snap button, 2 and 4 mm plug connectors.

| Code | Electrode Diameter | Electrode Material | Pack |
|------------|--------------------|--------------------|-------|
| SUAG0015/6 | 15 mm | AgCl | 6 pcs |
| SUAG0024/6 | 24 mm | AgCl | 6 pcs |
| SUAG0030/6 | 30 mm | AgCl | 6 pcs |

Nickel version is available on request.



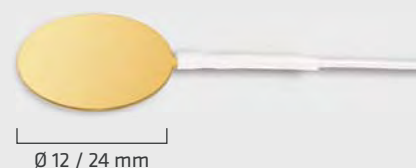
Ø 15 / 24 / 30 mm

| Code | Description | Pack |
|------------|--|-------|
| BALL000024 | Spare ball parts for Ø 15 mm and 24 mm | 6 pcs |
| BALL000030 | Spare ball parts for Ø 30 mm | 6 pcs |

Disposable Gold Electrodes

- Golden recording surface to ensure high recording quality.
- Moulded cable-electrode connection to ensure excellent duration of the product over time.

| Code | Electrode Diameter | Connectors | Pack |
|------------|--------------------|-------------|-------|
| 2180BSAU/6 | 12 mm | 4 mm socket | 6 pcs |
| 2181BSAU/6 | 24 mm | 4 mm socket | 6 pcs |



Ø 12 / 24 mm


Disposable Electrodes / ECG

Adhesive Electrodes

- Excellent recording performance of the ECG signal.
- Hydrogel ensures excellent and constant adhesion to the patients skin.
- The electrode can be repositioned many times without reducing its adhesion.
- Hydrogel is very gentle so it can be applied on every type of skin, even the most sensitive ones.







Radiolucent

| Code | Electrode Diameter | Cable Length | Connectors | Box |
|------------|--------------------|--------------|--|------------------------------------|
| CDE02410F4 | 24 mm | 10 cm | 4 mm socket | 3 pcs per pack 120 pcs per box |
| CDE03010F4 | 20 mm | 10 cm | 4 mm socket | 3 pcs per pack 120 pcs per box |
| CDE02435F4 | 24 mm | 35 cm | 4 mm socket | 3 pcs per pack 120 pcs per box |
| CDE03035F4 | 20 mm | 35 cm | 4 mm socket | 3 pcs per pack 120 pcs per box |
| CDE0246026 | 24 mm | 60 cm |  Ø 1,5 mm | 3 pcs per pack 120 pcs per box |
| CDE02460F4 | 24 mm | 60 cm | 4 mm socket | 3 pcs per pack 120 pcs per box |
| CDE0249026 | 24 mm | 90 cm |  Ø 1,5 mm | 3 pcs per pack 120 pcs per box |
| CDE0306026 | 20 mm | 60 cm |  Ø 1,5 mm | 3 pcs per pack 120 pcs per box |
| CDE03060F4 | 20 mm | 60 cm | 4 mm socket | 3 pcs per pack 120 pcs per box |
| CDE0309026 | 20 mm | 90 cm |  Ø 1,5 mm | 3 pcs per pack 120 pcs per box |
| CDER246026 | 24 mm | 60 cm |  Ø 1,5 mm | 3 pcs per pack 120 pcs per box |
| CDER249026 | 24 mm | 90 cm |  Ø 1,5 mm | 3 pcs per pack 120 pcs per box |
| CDER2460F4 | 24 mm | 60 cm | 4 mm socket | 3 pcs per pack 120 pcs per box |
| CDES000024 | 24 mm | / | Snap | 25 pcs per pack 500 pcs per box |

ECG / Cables and Adapters






Press Stud Cable

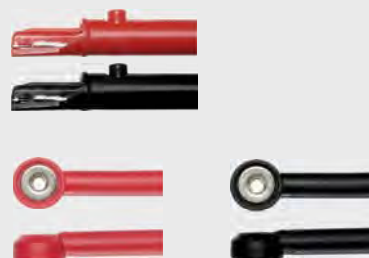
· Connection cable with snap connector

| Code | Cable Length | Connectors | Pack |
|-------------|--------------|--|--------|
| LEAD626S30 | 60 cm |  Ø 1,5 mm | 3 pcs |
| LEAD626S50 | 60 cm |  Ø 1,5 mm | 5 pcs |
| LEAD626S70 | 60 cm |  Ø 1,5 mm | 7 pcs |
| LEAD626S80 | 60 cm |  Ø 1,5 mm | 8 pcs |
| LEAD062105 | 60 cm | 2 mm socket | 5 pcs |
| LEAD624FS0 | 60 cm | 2 and 4 mm socket | 10 pcs |
| LEAD1024FS0 | 100 cm | 2 and 4 mm socket | 10 pcs |



Adapters

| Code | Description | Connectors | Pack |
|-----------|------------------------------|--|-------|
| CROCO4F1 | Crocodile adapter |  4 mm socket | 5 pcs |
| CROCO4F2 | Crocodile adapter |  4 mm socket | 5 pcs |
| ADPT4FO5S | Adapter cable with snap clip |  4 mm socket | 5 pcs |
| ADPT4FO5S | Adapter cable with snap clip |  4 mm socket | 5 pcs |
| ADPOFOM4 | Adapter with snap connection |  Socket/Jack 4 mm | 5 pcs |



Adapter

| Code | Description | Cable Length | Connectors | Pack |
|-----------|------------------------------|--------------|-------------------|-------|
| ADPL24F0S | Adapter cable with snap clip | 8 cm | Socket 2 and 4 mm | 5 pcs |



Cables and Connections / ECG

10 Channels Patient Cables

| Code | Brand | Compatibility | Pack |
|------------|------------|--|------|
| 60.119.130 | BTL | All models | 1 pc |
| 60.119.143 | Cardioline | Delta 1/3/30/60 Delta 1/3/60 Plus Elan 1100 | 1 pc |
| 60.119.11P | Cardioline | Delta 1/3/30/60 Delta 1/3/60 Plus Elan 1100 Plastic connectors | 1 pc |
| 60.119.161 | Cardioline | ar600/600adv ar1200/1200adv ar2100adv | 1 pc |
| 60.119.134 | Cardiette | Autoruler 12/1-12/3 Microruler 12/1-12/3 Microtel Doc 101 Excel 103/106 | 1 pc |
| 60.119.129 | Cardiette | Start 100P/H Start 200/200HV | 1 pc |
| 60.119.140 | Esaote | Serie P80/P8000 | 1 pc |
| 60.119.166 | Esaote | Archimed 4220 Archiwin | 1 pc |
| 60.119.139 | Mortara | Eli 100-200-2000 Landscape Portrait | 1 pc |
| 60.119.131 | Mortara | Eli 250-210-150 | 1 pc |
| 60.119.142 | Schiller | AT1-AT2-AT4-AT5-AT6-AT10-AT60 CS6-CS12-CS100-CS200-CV6-P80 | 1 pc |
| 60.119.171 | Schiller | AT3 | 1 pc |

Available with snap connectors and 4 mm plug connectors



AED / Defibrillation Pads

New

Defibrillation Pads

- The latest generation Hydrogel guarantees excellent adhesion and high electrical conductivity.
- Available in different configurations with different connectors and cable lengths.
- External connector allows for quick impedance checking.

| Code | Connector | Pack |
|--|---|---------|
| DPP001 | Schiller | 10 pair |
| * FRED / FRED TELE / DEFIGARD DG 1002 / DEFIGARD DG 3002 / DEFIGARD DG 2000 EDOS | | |
| DPP003 | Philips Laerdal Medical Agilent / Philips | 10 pair |
| Heartstream ForeRunner I AED model E, S, EM / Heartstart FR1 AED models 940010XX, 940020XX, 940030XX / Heartstream HeartStart FR2 AED models M3841A, M3861A / Heartstream HeartStart FR2+ AED, -with ECG module, models M3840A / CodeMaster -models M1722A/B, M1723A/B, M1724A, M2475B (with cable Philips M3507A and pad adapter 05-200) / HeartStart MRx model M3535A (with cable Philips M3508A) / Heartstream/HeartStart XL model M4735A (with cable Philips M3508A) / Heartstream/HeartStart XLT model M3500B (with cable Philips M3508A) / Heartstream/HeartStart XL+ model 861290 (with cable Philips M3508A) / Heartstart 4000 model M5500B (with cable Philips M3508A). | | |
| DPP007 | Zoll Medical Corp | 10 pair |
| * ZOLL PD 1200 / ZOLL PD 1400 / ZOLL PD 1600 / ZOLL PD 1700 / ZOLL PD 2000 / ZOLL SERIE M - M SERIES / ZOLL SERIE E - E SERIES / ZOLL SERIE R - R SERIES | | |
| DPP011 | Medtronic-Physio Control / Osatu Bexen / Cardioline / Mindray | 10 pair |
| * LIFEPAK 9 -connector QUICK-COMBO / LIFEPAK 10 / LIFEPAK 12 / LIFEPAK 15 / LIFEPAK 20 / LIFEPAK 500 AED with grey connector / LIFEPAK 500 AED/with pink connector / LIFEPAK 1000 AED / LIFEPAK CR PLUS AED / LIFEPAK EXPRESS AED | | |
| DPP015 | Agilent™ Laerdal Medical / Hewlett-Packard | 10 pair |
| * CODEMASTER 100 / CODEMASTER XE / CODEMASTER XL / CODEMASTER XL+ / HEARTSTREAM XL, XLT e-and XL+, -with cable M3507A / HEARTSTART 4000 | | |
| DPP027 | CU Medical Systems, Inc | 10 pair |
| * PARAMEDIC CU-ER1 / PARAMEDIC CU-ER2, CU-ER3 / PARAMEDIC CU-ERS with cable E R-5 OA03 | | |
| DPP031 | CU Medical Systems, Inc / Cmos Drake Progetti | 10 pair |
| * I - PAD NF1200 / FUTURA | | |
| DPP052 | Weinmann / Cardiaid | 10 pair |
| * MEDUCORE EASY / CARDIAID CT0207 | | |
| DPP064 | Schiller | 10 pair |
| * FRED EasyPort / ARGUS PRO LifeCare / ARGUS PRO LifeCare 2 / CARDIOVIT AT-101 Easy | | |



Schiller



Philips Laerdal Medical Agilent - Philips



Zoll Medical Corp



Medtronic-Physio Control Osatu Bexen Cardioline Mindray



Agilent™ Laerdal Medical Hewlett-Packard



CU Medical Systems, Inc



CU Medical Systems, Inc Cmos Drake Progetti



Weinmann Cardiaid



Schiller





In this chapter you will find a wide range on high-quality TENS electrical stimulation products.

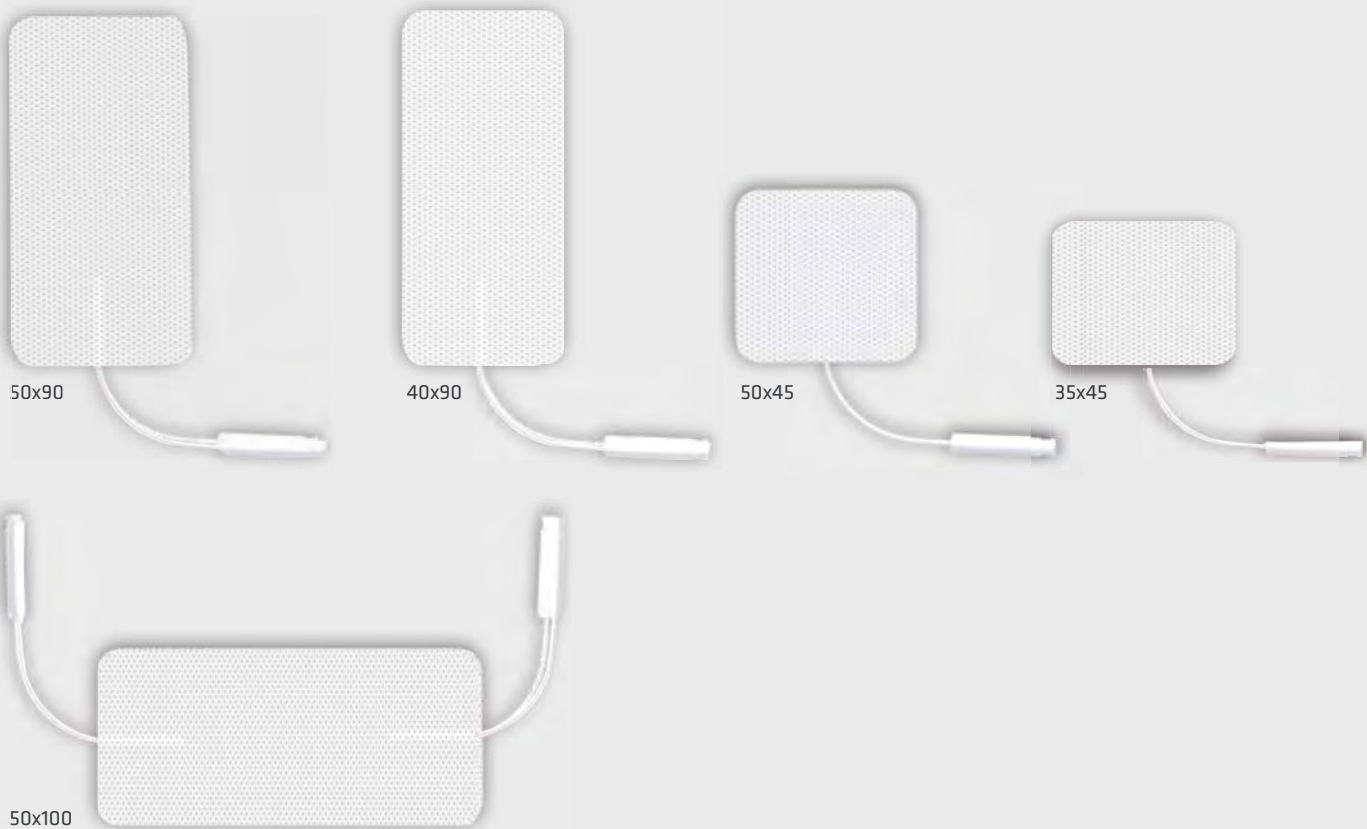
- Disposable Stimulation Electrodes
- Reusable Stimulation Electrodes
 - Elastic Bands and Accessories

TENS / Stimulation Electrodes

Disposable Stimulation Electrodes

- Guarantees excellent electrostimulation performance.
- Hydrogel ensures excellent and constant adhesion to the patient's skin. This allows for uniform electrical intensity across the surface of the electrode. Hydrogel also allows repositioning of the electrode without reducing its adhesion.
- Hydrogel is very gentle so it can be applied on every type of skin, even the most sensitive ones.
- Cable length is 8 cm.

| Code | Size | Connectors | Pack |
|-------------|-----------|-----------------|-------|
| TE0N1S3545 | 35x45 mm | Snap | 4 pcs |
| TE0N1S5045 | 50x45 mm | Snap | 4 pcs |
| TE0N1S4090 | 40x90 mm | Snap | 4 pcs |
| TE0N1S5090 | 50x90 mm | Snap | 4 pcs |
| TE0N1F3545 | 35x45 mm | 2 mm Socket | 4 pcs |
| TE0N1F5045 | 50x45 mm | 2 mm Socket | 4 pcs |
| TE0N1F4090 | 40x90 mm | 2 mm Socket | 4 pcs |
| TE0N1S5090 | 50x90 mm | 2 mm Socket | 4 pcs |
| TE0N2F50100 | 50x100 mm | 2 x 2 mm Socket | 4 pcs |



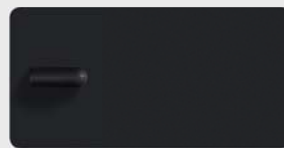
Stimulation Electrodes / TENS

Reusable Electrodes

- Made of conductive silicone ensuring a uniform stimulating surface.
- Moulded cable-electrode connection to ensure high resistance during use.
- Available in different configurations with different connectors, including 2 mm and 4 mm universal sockets.



| Code | Size | Connectors | Cable Length | Pack |
|-------------|------------|-------------------|--------------|-------|
| 4F00406S | 40x60 mm | 4 mm socket | 16 cm | 2 pcs |
| 4F00806S | 80x60 mm | 4 mm socket | 16 cm | 2 pcs |
| 4F00128S | 120x80 mm | 4 mm socket | 16 cm | 2 pcs |
| 4F01511S | 150x110 mm | 4 mm socket | 16 cm | 2 pcs |
| 4M00406S | 40x60 mm | 4 mm connector | 16 cm | 2 pcs |
| 4M00806S | 80x60 mm | 4 mm connector | 16 cm | 2 pcs |
| 4M00128S | 120x80 mm | 4 mm connector | 16 cm | 2 pcs |
| 4M01511S | 150x110 mm | 4 mm connector | 16 cm | 2 pcs |
| 24F0406S | 40x60 mm | 2 and 4 mm socket | 16 cm | 2 pcs |
| 24F0806S | 80x60 mm | 2 and 4 mm socket | 16 cm | 2 pcs |
| 24F0128S | 120x80 mm | 2 and 4 mm socket | 16 cm | 2 pcs |
| 24F1511S | 150x110 mm | 2 and 4 mm socket | 16 cm | 2 pcs |
| 4M004060 | 40x60 mm | 4 mm connector | / | 2 pcs |
| 4M008060 | 80x60 mm | 4 mm connector | / | 2 pcs |
| 4M001280 | 120x80 mm | 4 mm connector | / | 2 pcs |
| 24F008060 | 80x60 mm | 2 and 4 mm socket | / | 2 pcs |
| 24F001280 | 120x80 mm | 2 and 4 mm socket | / | 2 pcs |
| SIL0005050 | 50x50 mm | 2 mm socket | / | 4 pcs |
| SIL00050100 | 50x100 mm | 2 mm socket | / | 4 pcs |



TENS / Accessories

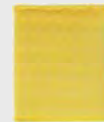
Sponge Pouch

- Compatible with reusable electrodes.
- The Spontex version guarantees a long-lasting treatment.

| Code | Size | Material | Pack |
|-----------|------------|----------|--------|
| 4T004060 | 40x60 mm | Sponge | 10 pcs |
| 4T008060 | 80x60 mm | Sponge | 10 pcs |
| 4T001280 | 80x120 mm | Sponge | 10 pcs |
| 4T0015110 | 110x150 mm | Sponge | 10 pcs |
| 4TS04060 | 40x60 mm | Spontex | 10 pcs |
| 4TS08060 | 60x80 mm | Spontex | 10 pcs |
| 4TS01280 | 80x120 mm | Spontex | 10 pcs |
| 4TS015110 | 110x150 mm | Spontex | 10 pcs |



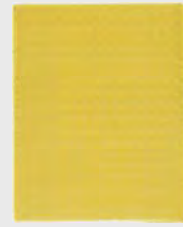
40x60



60x80



80x120



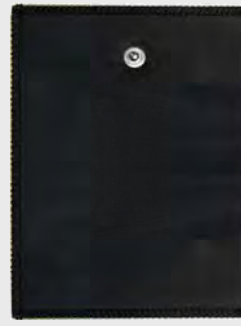
110x150



60x45



45x60



80x120



Sponge/Electrodes

| Code | Size | Connectors | Pack |
|------------|-----------|------------|-------|
| SILSP04560 | 45x60 mm | Snap | 4 pcs |
| SILSP06080 | 60x80 mm | Snap | 4 pcs |
| SILSP80120 | 80x120 mm | Snap | 4 pcs |

Elastic Bands

- Excellent elasticity and comfort for the patient.
- Available in different sizes and thickness.



| Code | Description | Size | Pack |
|-----------|---------------------|-----------|------|
| BAND0100 | Elastic with velcro | 10x100 cm | 1 pc |
| BAND0080 | Elastic with velcro | 10x80 cm | 1 pc |
| BAND0060 | Elastic with velcro | 10x60 cm | 1 pc |
| BAND0040 | Elastic with velcro | 10x40 cm | 1 pc |
| BAND08100 | Elastic with velcro | 8x100 cm | 1 pc |
| BAND08080 | Elastic with velcro | 8x80 cm | 1 pc |
| BAND08060 | Elastic with velcro | 8x60 cm | 1 pc |
| BAND08040 | Elastic with velcro | 8x40 cm | 1 pc |
| BAND03100 | Elastic with velcro | 3x100 cm | 1 pc |
| BAND03080 | Elastic with velcro | 3x80 cm | 1 pc |
| BAND03060 | Elastic with velcro | 3x60 cm | 1 pc |
| BAND03040 | Elastic with velcro | 3x40 cm | 1 pc |



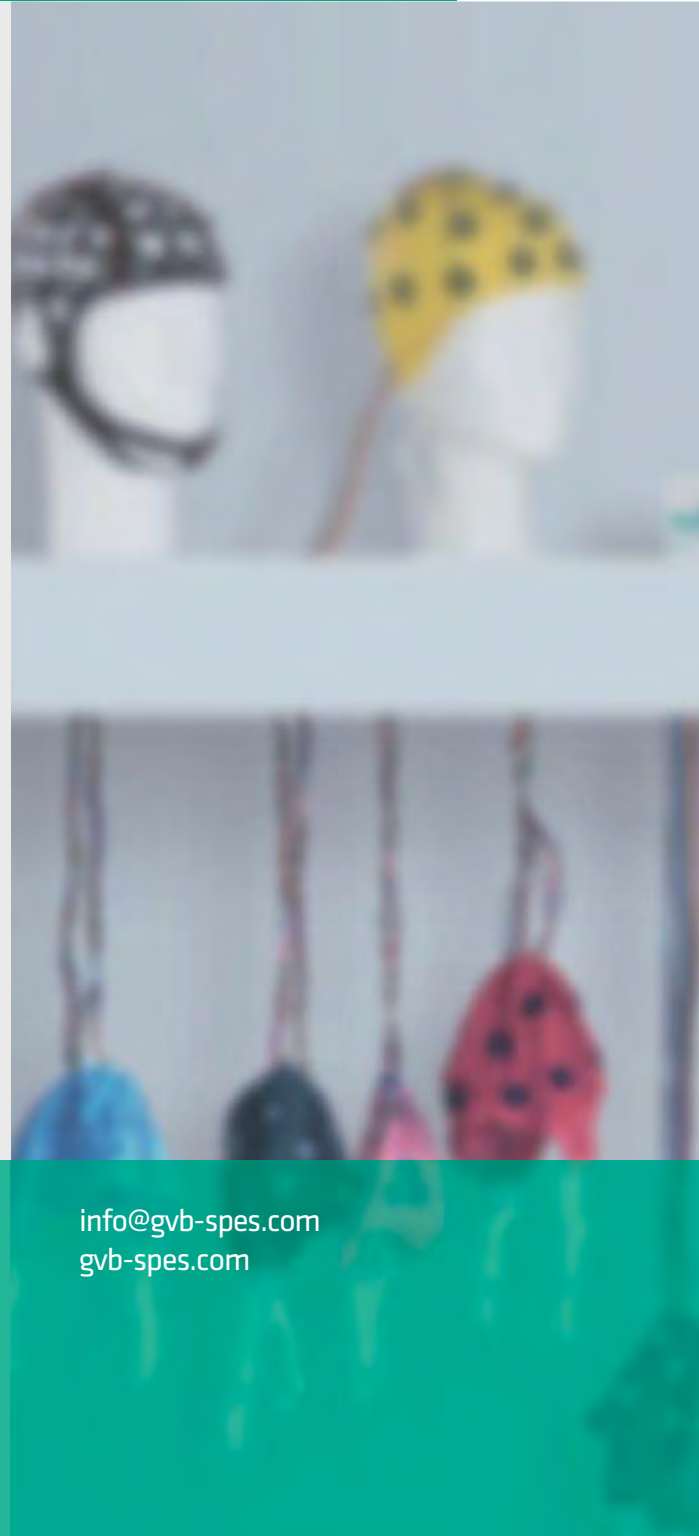
| | | | |
|----------|--------------------|------------|------|
| RUB04532 | Rubber with button | 3,2x45 cm | 1 pc |
| RUB13532 | Rubber with button | 3,2x135 cm | 1 pc |
| RUB00025 | Rubber with button | 2,5x45 cm | 1 pc |

| Code | Description | Pack |
|----------|---------------------|--------|
| BOTT0000 | Replacement buttons | 20 pcs |



Adapters

| Code | Description | Connectors | Pack |
|----------|-------------------|---------------|-------|
| CROC01IS | Crocodile adapter | 2 mm socket ● | 5 pcs |
| CROC02IS | Crocodile adapter | 2 mm socket ● | 5 pcs |
| ADPT2F01 | Snap adapter | 2 mm socket ● | 5 pcs |
| ADPT2F02 | Snap adapter | 2 mm socket ● | 5 pcs |



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