

Stimulation Electrode

NM-413B

General

The NM-413B Stimulation Electrode (hereafter, electrode) is for measuring motor evoked potential (MEP) by transcranial electric stimulation. You can use this electrode to diagnose and analyze the motor portion of the nervous system from the electrophysiological point of view. Both the negative electrode and positive electrode are required.

Safety Information

WARNING A warning alerts the user to possible injury or death associated with the use or misuse of the instrument.

CAUTION A caution alerts the user to possible injury or problems with the instrument associated with its use or misuse such as instrument malfunction, instrument failure, damage to the instrument, or damage to other property.

Pay attention to all safety information in the Operator's Manual or Installation Guide.

WARNING

Use this electrode only for electric stimulation. Connect this electrode only to the SEN-4100 Electric Stimulator. The safety of the applied part including the electrode depends on the specifications of the connected instrument. If the electrode is connected to an instrument other than the SEN-4100 Electric Stimulator, the patient and operator may receive electrical shock or injury.

WARNING

When performing MRI test, remove all electrodes and transducers from the patient which are connected to the SEN-4100 Electric Stimulator. Failure to follow this warning may cause skin burn on the patient. For details, refer to the MRI manual.

WARNING

Before defibrillation, remove from the patient all electrodes, probes and transducers from connectors that do not have a  or  mark. Otherwise, the discharged energy may cause skin burn to the patient, the operator may receive electrical shock or injury and the SEN-4100 Electric Stimulator may be damaged.

WARNING

When an electrosurgical unit (ESU) is used, firmly attach the entire area of the ESU return plate. Otherwise, the current from the ESU flows into the electrodes of the electric stimulator, causing electrical burn where the electrodes are attached. For details, refer to the ESU manual.

WARNING

Even if the ESU return plate is attached properly, if the tip of the electrode of the ESU is near the stimulation electrode, it may burn the patient's skin where the electrodes are attached due to high frequency leakage current.

WARNING

When electrical stimulation is performed for a long period, the EEG paste gets dry and electrical stimulation may cause skin burn because dried paste increases the skin-electrode contact impedance. Therefore, periodically check that the paste is moist.

CAUTION

Do not attach the electrode on a wound or inflamed skin.

CAUTION

Do not get the electrode wet with water or chemical solution. Do not use the electrode when it is wet.

CAUTION

Do not strongly pull the electrode lead or bend it by force. This may damage the electrode lead.

CAUTION

When you connect or disconnect the electrode to/from electric stimulator, always hold the electrode by the connector. Never hold the electrode by the electrode lead because it may break the electrode lead.

CAUTION

Do not autoclave the electrode. Do not use cresol soap or glutaraldehyde. These chemicals deteriorate the electrode performance.

CAUTION

Dispose of Nihon Kohden products according to your local laws and your facility's guidelines for waste disposal. Otherwise, it may affect the environment. If there is a possibility that the product may have been contaminated with infection, dispose of it as medical waste according to your local laws and your facility's guidelines for medical waste. Otherwise, it may cause infection.

This Safety and Performance Information is an extract from the general and safety information sections of the most recent edition of Operator's Manual or Installation Guide. Therefore, the contents of your Operator's Manual or Installation Guide may differ from those of this Safety and Performance Information. For detailed operating procedures, follow the instructions of your Operator's Manual or Installation Guide.



Manufacturer

NIHON KOHDEN CORPORATION

1-31-4 Nishiocchiai, Shinjuku-ku,
Tokyo 161-8560, Japan
Phone +81 3-5996-8041
<https://www.nihonkohden.com/>



European Representative

NIHON KOHDEN EUROPE GmbH

Raiffeisenstrasse 10, D-61191 Rosbach, Germany
Phone +49 6003-827-0 Fax +49 6003-827-599