

# Finger Electrode

## NM-451B

### General

The NM-451B finger electrode is used to electrically stimulate the skin surface in nerve conduction study and somatosensory evoked potential measurement. The electrode can also be used as a recording electrode. The electrode can be used with Nihon Kohden MEB-2300A/K EMG/EP measuring system or MEE-1000A or MEE-2000 neural function measuring system.

### 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

When performing MRI test, remove all electrodes from the patient. Failure to follow this warning may cause skin burn on the patient. For details, refer to the MRI manual.

#### WARNING

Before defibrillation, all persons must keep clear of the bed and must not touch the patient or any equipment connected to the patient. Failure to follow this warning may cause electrical shock or injury.

#### WARNING

Before defibrillation, remove from the patient all electrodes, probes and transducers from a connector that do not have a  or  mark. Otherwise, the operator may receive electrical shock and the connected instrument may be damaged.

#### WARNING

Before defibrillation, remove everything including electrodes and patches from the patient's chest. If the defibrillator paddle contacts an object on the patient's chest, the discharged energy may be insufficient and cause skin burn.

#### WARNING

When the electrodes are used with an ESU, firmly attach the entire area of the ESU return plate. Otherwise, the current from the ESU flows into the electrodes, causing electrical burn where the electrodes are attached. For details, refer to the ESU manual.

#### WARNING

When using an ESU, do the following. Otherwise, current from the ESU flows into the electrodes and causes skin burn.

- Ensure that there is enough distance between the electrodes and the ESU tip or return plate.
- Ensure that no electrodes are attached near the path for high frequency current between the ESU tip and return plate.
- If there is not enough distance between the electrodes and the ESU tip, return plate or path for high frequency current, disconnect the electrodes while using the ESU.
- During long term monitoring, periodically check that the electrodes are attached properly.

#### WARNING

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

#### CAUTION

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

#### CAUTION

Connect the electrodes only to the specified instruments or cables.

#### 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.



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