

Photic Stimulator

LS-940A

General

The LS-940A photic stimulator is a component of the JE-940A EEG amplifier unit.

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

Do not perform hyperventilation activation when the patient has serious heart disease, acute cerebrovascular disease or respiratory insufficiency. The action of humoral regulation due to the extremely low CO₂ and high O₂ concentration in the arterial blood causes vasoconstriction and may result in reduced blood flow.

⚠ WARNING

Connect only the specified instruments to the photic stimulator and follow the specified procedure. Failure to follow this warning may result in electrical shock or injury to the patient and operator, and cause fire or instrument malfunction.

⚠ WARNING

Do not use damaged cables. When the damaged part is touched, the patient or operator may receive electrical shock or injury.

⚠ WARNING

Do not spill water or chemical solutions on the photic stimulator while using it. The patient or operator may receive electrical shock or injury. If fluids are accidentally spilled into the photic stimulator, stop using or inspecting it and contact your Nihon Kohden representative. The photic stimulator must be disassembled, cleaned, dried and tested for safety, function and performance.

⚠ WARNING

Do not modify the photic stimulator. Modification may cause heat, fire, skin burn, electrical shock.

⚠ WARNING

Use external instruments which satisfy the safety standards specified by IEC 60601-1 or IEC 62368-1. Otherwise, the patient or operator may receive electrical shock or injury.

⚠ CAUTION

Do not use this photic stimulator for an evoked potential examination. The patient condition might not be diagnosed correctly. For an evoked potential examination, use a dedicated stimulator.

⚠ CAUTION

All activation testing must be applied under the supervision of a physician.

⚠ CAUTION

Consult an ophthalmologist before performing photic stimulation using the visual stimulator adapter on the following patients. An ophthalmic disorder of the patient may become worse.

- Patients with an acute ophthalmic disorder, including postoperative patients after surgery for retinal detachment or glaucoma
- Patients with photophobia or ocular pain

⚠ CAUTION

- If a photoparoxysmal response occurred, stop the stimulation immediately to avoid induction of paroxysm. Especially a patient with photosensitive seizure may react to the low brightness photic stimulation sensitively when using the visual stimulator adapter.
- A patient with photomyoclonic response may feel severely uncomfortable with photic stimulation. Interrupt or stop the stimulation in that case.

⚠ CAUTION

Install the photic stimulator securely as specified by Nihon Kohden. Otherwise the photic stimulator may fall off and the patient or operator may get injured, or the photic stimulator may malfunction.

⚠ CAUTION

- Use the specified cart and install the photic stimulator on the cart securely as specified by Nihon Kohden. Otherwise the photic stimulator may fall off and the patient or operator may get injured, or the photic stimulator may malfunction.
- If the specified cart is not used, install the photic stimulator where it cannot fall on the patient or operator. Otherwise the photic stimulator may fall off and the patient or operator may get injured, or the photic stimulator may malfunction.

⚠ CAUTION

To prevent the cart from tipping over or the EEG amplifier unit falling off the cart:

- Do not put or hook anything on the pole.
- Do not ride on the cart.
- Do not lean on the pole or put your weight on the cart.
- Make sure that the cart is on a flat surface which is not sloped.
- Always lock the casters so that the cart does not move accidentally.

⚠ CAUTION

Do not put heavy objects in the basket. The cart may tip over and the basket may fall off.

⚠ CAUTION

Release the caster locks when moving the cart. Do not move the cart with the casters locked. The cart may tip over.

⚠ CAUTION

After the cart is installed, lock the casters and do not move the cart. Otherwise, the cart may tip over or the devices mounted on the cart may fall off.

⚠ CAUTION

Periodically check that the casters rotate smoothly and that no screw or knob bolt is loose. Otherwise the cart may tip over or the photic stimulator may fall off.

⚠ CAUTION

Before maintenance, cleaning or disinfection, shut off the power supply to the photic stimulator. Failure to follow this instruction may result in electrical shock, injury or photic stimulator malfunction.

⚠ CAUTION

Never disassemble or repair the photic stimulator. If there is any problem with the photic stimulator, contact your Nihon Kohden representative.

⚠ 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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