

Care, Handling and Safe Use Instructions

Fiberoptic and Active Sensor Probes

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Important: Please read this booklet to ensure longevity of your NIRx probes!

Before using

1. Please make sure to carefully read this booklet and all supplied user documentation before starting to operate your NIRx device.
2. Please make sure that everyone involved with the operation and/or maintenance, cleaning and storage of NIRx probes has read this booklet.

This booklet provides basic information for safe use, care and handling of your NIRx probes. These instructions do not and are not meant to cover every possible condition and situation that may occur with your probes and NIRx system in general. Common sense and caution must be practiced when using, storing and maintaining your probes.

Care and maintenance


Fiber Optic Probes

The fiber optic probes are delicate optical devices. Any straining, kinking, pinching, and tight bending (bending radius < 2 cm) should be avoided because this may damage the fibers. Before each measurement, the fibers should be visually inspected for signs of physical damage. In case of suspected fiber damage, please contact NIRx immediately.

Active Probes (LED Sources, Active NIRSport Detectors)

While more robust than fiber optic probes, active probes should also be handled with care in order not to damage the wiring or probe and electronics housing, which is particularly expensive and can suffer damage from impact. Before each measurement, the probes should be visually inspected for signs of physical damage. In case of suspected fiber damage, please contact NIRx immediately.

 NEVER EXPOSE THE OPTODES TO ABRASIVE EEG GEL/PASTE DURING CONCURRENT EEG-NIRS MEASUREMENTS. IF UNSURE ABOUT THE COMPATIBILITY OF YOUR EEG GEL/PASTE WITH NIRX PROBES, PLEASE CONTACT NIRX IMMEDIATELY.

 NEVER PUSH AGAINST THE OPTICAL SURFACE OF ACTIVE PROBES AS THIS MAY DISLOCATE OR DAMAGE THE OPTICS !

Cleaning, sterilization, and disinfection

The probe ends that come in contact with the skin may be cleaned and disinfected by wiping with diluted isopropyl alcohol 70%. Use a soft cloth or paper tissue.

Note: Some fiber optic sets are suited for cold-gas sterilization. Please contact NIRx to confirm suitability and to obtain detailed information.



DO NOT USE ETHANOL OR METHANOL FOR CLEANING OF THE PROBE SURFACES.



THE FIBERS ARE NOT SUITED FOR AUTOCLAVING.



PROBES SHOULD NOT BE SUBMERGED INTO WATER, ISOPROPYL ALCOHOL OR ANY OTHER FLUID.

Warranty information

- **Fiber optic probes are considered consumables and as such are not protected by manufacturer warranty.**
- **Active probes are covered by NIRx's warranty of 1 year after the date of purchase.**

The warranty for all items is only valid if use, cleaning, and maintenance of the items follow this booklet and prescribed methods in the most up-to-date version of the respective user manual of the products in question.

More specifically, the following actions will void the warranty:

- Exposing or cleaning the probes with water, chemicals or any agents not listed in the above defined recommendations ;
- Exposing the probes to unknown EEG gel/paste, without contacting NIRx;
- The use of improper force, causing physical damage;
- Any attempt to open, change or apply any modifications to any part of the probes.

NIRx includes up-to-date user manuals when shipping all SYSTEMS. Additionally, all user manuals are available for download, fax, or mail. It will be the responsibility of the ACCOUNT to retain and check up-to-date user manuals. For more information, please refer to nirx.net/technical-support.

NIRx requires detailed reports of problems with hardware on a RMA form which must be turned in, reviewed, and approved by NIRx for any warranty claim to be fully compensated. Even if the RMA form is completed and turned in, the approval of it will be based upon a detailed review of the hardware itself. NIRx will honor all warranty claims within the coverage period for hardware that has been treated in accordance with respective up-to-date user manuals.

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