Reusable Medical Temperature Probes

English

Product Description:

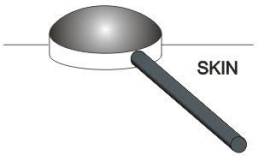
FMT 400 series reusable probes are intended for continuous measurement and monitoring of patient temperature with YSI 400 Series compatible electronic thermometers. Probes are accurate and interchangeable with any other probe in the same series at specified measurement temperatures. Within the measurement range of 25-45 ºC, the accuracy for 400 series probes is ± 0.1ºC. The system accuracy is the sum of the probe and instrument accuracies.

Esophageal / Rectal, Adult, **FMT400/AOR, FMT400/AOR/Z** (3m), **FMT400/AOR-15, FMT400/AOR/Z-15** (1.5m)
Esophageal / Rectal, Pediatric, **FMT400/POR, FMT400/POR/Z** (3m), **FMT400/POR-15, FMT400/POR/Z-15** (1.5m)
Tubular Esophageal / Rectal, Adult, **FMT400/ATB** (3m)
Tubular Esophageal / Rectal, Pediatric, **FMT400/PTB** (3m)
Surface / Skin, Adult / Pediatric, **FMT400/AS, FMT400/AS/Z (**3m), **FMT400/AS-15, FMT400/AS/Z-15** (1.5m)
Oxygenator, **FMT400/OXY** (Dideco, Euroset), **FMT400/OXY-2** (Maquet), (3m)
Esophageal / Rectal, Adult, Autoclavable, **FMT400/AOR-A, FMT400/AOR/Z-A** (3m), **FMT400/AOR-A15, FMT400/AOR/Z-A15** (1.5m)
Esophageal / Rectal, Pediatric, Autoclavable, **FMT400/POR-A, FMT400/POR/Z-A** (3m), **FMT400/POR-A15, FMT400/POR/Z-A15** (1.5m)
Surface / Skin, Adult, Autoclavable, **FMT400/AS-A, FMT400/AS/Z-A** (3m), **FMT400/AS-A15, FMT400/AS/Z-A15** (1.5m) ***/Z*** *for Straight Phone Jack*
Esophageal / Rectal, Adult, **FMT400/AOR/XX** (3m), **FMT400/AOR/XX-15** (1.5m)
Esophageal / Rectal, Pediatric, **FMT400/POR/XX** (3m), **FMT400/POR/XX-15** (1.5m)
Esophageal / Rectal, Infant, **FMT400/IOR/XX** (3m), **FMT400/IOR/XX-15** (1.5m)
Surface / Skin, Adult / Pediatric, **FMT400/AS/XX** (3m), **FMT400/AS/XX-15** (1.5m)
Esophageal / Rectal, Adult, Autoclavable, **FMT400/AOR/XX-A** (3m), **FMT400/AOR/XX-A15** (1.5m)
Esophageal / Rectal, Pediatric, Autoclavable, **FMT400/POR/XX-A (**3m), **FMT400/POR/XX-A15** (1.5m)
Surface / Skin, Adult, Autoclavable, **FMT400/AS/XX-A** (3m), **FMT400/AS/XX-A15** (1.5m)

XX variable: EDN (Edan), HP (HP & Philips), MND (Mindray), S (Siemens), BLT (Biolight), GE (GE), SW (S&W), THT (Tecotherm), MMM (Mennen MTRE)

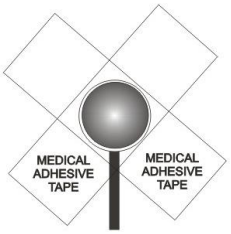
Directions for Use:

Application of temperature probes should be done by trained personnel following established procedures.



1-Inspect the temperature probe and cable for wear, breakage or fraying. Replace if necessary.
2-Follow monitoring device manufacturer's directions for use and your hospital's protocols on how to apply the temperature probe to the patient.
3-Connect the temperature probe plug to the temperature socket (TEMP) on the temperature monitoring device.

Note: Standard Surface / Skin temperature probes have disk shaped stainless steel tips with epoxy on one side. Please note that the metal side of the probe tip should be applied to the skin for making the temperature measurements.
Note: When applying Surface / Skin temperature probes to the patient, fix the probe tip to the skin by covering with a heat – reflective adhesive cover or medical adhesive tape. We recommend foam type medical tapes for fixing the tip of the skin temperature probe.



Note: After long term use the jacket of the Esophageal / Rectal probe may lose flexibility due to effect of disinfection agents. In medical applications, the user must determine that a probe is suitable and sufficient flexible for esophageal or rectal use.
Note: When removing skin temperature probe, first remove the heat-reflective adhesive cover. Then carefully remove the skin probe tip from the patient's skin.
Warning: Keep the probe tip clean and free from foreign matter, particularly adhesives.

Cleaning, Disinfection and Sterilization:

FMT temperature probes are sold NON STERILE. Clean and disinfect the probes before first use.

Warning: Before cleaning or disinfecting the probe, disconnect it from the monitoring device.
Warning: Clean or disinfect the probe before attaching to a new patient.
Warning: Probes should be cleaned of overburden prior to disinfection or sterilization to improve the effectiveness.

Cleaning:

Probes may be cleaned by wiping with a cloth dampened with a solution of water and ordinary alcohol free hand soap. After cleaning, rinse by wiping with a clean dampened cloth. Be sure to rinse thoroughly. Do not immerse the probes.

When wiping clean, hold the probe in one hand at the sensing tip and wipe the probe and the cable toward the plug. Excessive pressure could stretch the cable jacket and break the internal wires, destroying the probe. Continued flexing of the cable in use and cleaning can also break the internal wires. This failure types are not covered by the warranty.

Avoid contact with strong, aromatic, chlorinated, ketone, ether, or ester solvents. Prolonged immersion in alcohols or mild organic solvents, detergent solutions or high alkaline solutions may cause the probe jacket to lose flexibility and eventually cracked. The probe plugs should not be immersed into any kind of liquid.

Disinfection:

Probes may be disinfected by washing with 70% isopropanol, ethanol, activated dialdehyde (Cidex) or sodium hypochlorite (bleach diluted 1:10 minimum in water). After washing, probes should be rinsed thoroughly with water. Brief immersion of the probe cable in detergent solutions is not harmful.

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Note: FMT does not make any claims as to the efficacy of these chemicals for infection control. Please consult your hospital's Infection Control Officer for applicable disinfection policies.

Sterilization:

We recommend sterilizing the probes only as required by your hospital's policy to avoid long term damage.

Ethylene oxide (EtO) is the preferred sterilization method for standard FMT temperature probes. After sterilization probes must be safely and thoroughly ventilated before handling or use. FMT recommends an aeration time of 12 hours minimum to dissipate residual EtO in the probe below 250 ppm. Never autoclave standard FMT temperature probes (gray colored probes).

Autoclavable FMT temperature probes (blue colored probes) are designed to withstand steam autoclave cycles of 20 minutes at 121°C to 123°C. Flash autoclaving (temperature above 125°C for shorter periods) is not recommended since it will prematurely degrade the probe material. Autoclavable FMT temperature probes are designed to withstand ethylene oxide (EtO) gas sterilization. After sterilization probes must be safely and thoroughly ventilated as described above before handling or use.

Warnings:

1- This temperature probe is intended for use with only YSI 400 series compatible electronic medical thermometers and temperature modules. Use of temperature probes with YSI 700 series compatible electronic thermometers or other incompatible devices will lead inaccurate temperature measurements.
2- All wire-lead patient connected transducer assemblies are subject to reading error, local heating and possible damage from high intensity sources of RF energy. Electrosurgical equipment represents one such source since capacitively-coupled currents may seek alternative paths to ground through probe cables and isolated instruments. Patient burns may result. If possible, remove the probe from patient contact before activating the surgical unit or other RF source. If probes must be used simultaneously with electro surgical apparatus, the instruments to which the probes are connected should be checked for adequate isolation from electrical grounds at radio frequencies. Hazards can be reduced by selecting a temperature monitoring point located away from the expected RF current path between the active probe and the return pad.
3- It is not recommended to use the probes within the range of MRI, CT etc. applications. Conducted current may cause burns.
4- Mishandling of the probes could result in damage to internal wires and loss of electrical isolation or improper temperature readings. Do not wrap probes around equipment cases to avoid internal wires. When not in use, probes and leads should be loosely coiled and stored in room temperature.
5- Care must be taken to ensure that the probe cable is not subjected to mechanical stress, such as pulling, bending and squeezing.
6- Make sure the skin temperature probe is free from pressure. Never place skin temperature probes underneath the patient.
7- Do not use a skin probe without a reflective probe cover. Do not remove the reflective foil from the reflective probe cover. Do not use any type of lotion or dressing between patient skin and adhesive probe cover.
8- Place skin temperature probe on soft muscle area. Avoid any bony area.
9- Do not apply temperature probe on the injured skin.
10- In case of the sensitive skin, it may be necessary to observe and change the skin temperature probe application site regularly.
11- As with all medical equipment, carefully route temperature probes to reduce the possibility of patient entanglement or strangulation.
12- Do not use damaged probes. Dispose damaged probes according to local laws and regulations for medical waste.
13- Do not use wet probes. This may cause burns during application of high frequency devices.
14- For further information and warnings please read the instructions accompanying the temperature monitoring device.

Inspection and recalibration:

Visually inspect the probe for cracks, holes and crazing etc. prior to each use. If any such degradation in the cable jacket discovered, discard probe.

Probes cannot be "recalibrated" but should be inspected monthly by hospital's Biomedical Equipment group to ensure they are working properly. Probes can be tested by plugging into a compatible monitor and looking for an electrical open or short circuit, intermittent readings or extremely inaccurate readings which would indicate probe wire damage.

Storage:

Storage Temperature : 0ºC - 50ºC (32ºF - 122ºF)
Relative Humidity : 20 - 80% (not condensing)
Atmospheric Pressure : 500 - 1600 mbar
During the storage the products should be protected from sun light. It is recommended to store the products in original packages until the first use.

Warranty:

Standard temperature probes are under twelve (12) months and Autoclavable temperature probes are under six (6) months warranty against material and workmanship defects from the date of original purchase. In warranty period, METKO will be responsible for repairing the probe or change the probe free of charge if the defect is proven. This warranty does not extent to any product that has been subject to misuse, neglect or accident; or that has been damaged by causes external to the product; or that has been used in violation of the operating instructions supplied with the product. Probe life with normal use should exceed one year.

The information in this instruction insert has been carefully checked and it is believed to be accurate. In the interest of continued product development, METKO reserves the right to make changes and improvements to this insert and the product it described any time, without notice or obligation.

Caution: Federal Law (U.S.A.) restricts this device to sale by or on the order of a physician.

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All FMT products are Latex free.

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