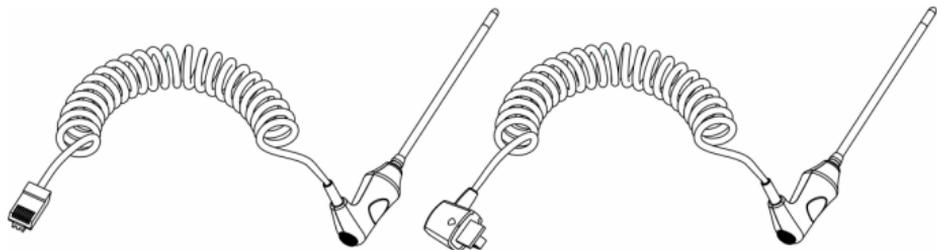


Orantech

The **difference** you can **sense**



Turbo Temperature Probes

User Manual

Intended Use & Indications for Use

Turbo Temperature Probes are intended to be used to measure oral or rectal temperature. The temperature probes are reusable and designed for use with Vital Sign monitors by Philips, GE Healthcare, Welch Allyn and others.

These devices are indicated for used by qualified medical personnel only.

Operation Procedures

1. Confirm the compatibility of the probe with the equipment being used. See the attached label to ensure the device being used with it is compatible with the probe.
2. Make sure the probe plug matches the connector on the device. Then fully plug the probe into the device.
3. Insert the probe completely and firmly into a disposable cover. Failure to firmly install the probe cover may result in the probe cover becoming loose or disengaging during use. Be careful not to press the colored button where the cord exits the probe as this might loosen or eject the probe cover.
 - 3.1. Oral temperature measurement: For oral temperature measurement use the blue, oral probe.

3.1.1. Have patient open mouth slightly. Holding the probe loosely. Insert probe tip to the sublingual pocket where the richest blood supply is located (see Figures 1-1 and 1-2).

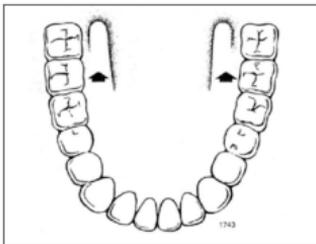


Figure 1-1

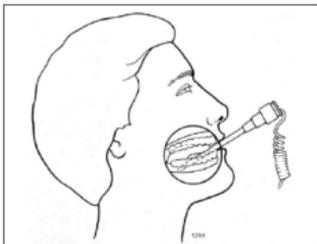


Figure 1-2

3.1.2. Hold the probe during the entire temperature measurement process and keep the probe tip in contact with tissue at all times.

3.1.3. When the measurement is complete, the patient's final temperature reading will appear on the display panel. The display will clear as the probe is returned to the storage well.

3.1.4. Note the displayed temperature and remove the probe. Hold the probe as you would a syringe and press the colored ejection button at the base of the probe to eject the used probe cover into a waste container (see Figure 1-3).

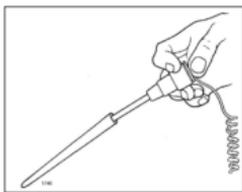


Figure 1-3

3.1.5. Return the probe to the probe storage well. This will automatically turn off and reset the thermometer for the next temperature reading.

3.2. Rectal temperature measurement: For rectal temperature measurement use the red, rectal probe.

3.2.1. Touch the tissue about a half inch above the sphincter muscle and carefully insert the probe, using current hospital technique for penetration. The use of a lubricant is optional.

3.2.2. To ensure continuous tissue contact and maximize patient comfort, hold the probe in position until the audible tone sounds indicating the patient's temperature reading is complete.

3.2.3. Note the displayed temperature and remove the probe. Hold the probe as you would a syringe and press the colored ejection button at the base of the probe to eject the used probe cover into a waste container (see Figure 1-3).

3.2.4. Return the probe to the probe storage well. This will automatically turn off and reset the thermometer for the next temperature reading.

3.3. Axillary Temperature Measurement. Axillary temperatures may be obtained using regular oral or rectal probes.

3.3.1. Place probe in patient's axilla, making sure the tip of the probe is in contact with the skin and positioned as close as possible to the axillary artery with the patient's arm held close to their side (see Figure 1-4).



Figure 1-4

3.3.2. Leave probe in place for the same length of time as required by standard hospital procedure for taking an axillary temperature.

3.3.3. Note the displayed temperature and remove the probe. Hold the probe as you would a syringe and press the colored ejection button at the base of the probe to eject the used probe cover into a waste container (see Figure 1-3).

3.3.4. Return the probe to the probe storage well. This will automatically turn off and reset the thermometer for the next temperature reading.

Performance & Reliability

The probes with compatible monitors have been validated and tested for compliance with ISO 80601-2-56.

Accuracy and stability: Probes are accurate and interchangeable with any other probes with the same compatible connectors with matching temperature/resistor characteristics. The system accuracy is the sum of the probe and instrument accuracies.

Measurement range (25-45) °C- Accuracy $\pm 0.1^{\circ}\text{C}$

Time response (2°C higher or lower than reference temperature source) $\leq 15\text{S}$

Degree of protection against Electric Shock: Type BF applied part

Degree of protection against the Ingress of Water: IPX2

Visually inspect the probe for cracks, holes or other defects prior to each use. If any such degradation in the cable jacket is discovered, discard probe according to your hospital's procedure for medical waste.

Cleaning

- Wipe the probe, wire and plug assembly with a soft cloth dampened with the 70% isopropanol.
- When wiping clean, hold the probe in one hand at the sensing tip and wipe the probe and leadwire toward the plug. Excessive pressure could stretch the cable jacket and break the internal wires, destroying the probe. Excessive flexing of leadwires in use and cleaning can also break the internal wires.
- Scrub the surfaces thoroughly one time, if visible contaminants remain, repeat one more time until no visible contaminants remain.
- Wipe off the cleaning solution with a dry cloth after cleaning.

Disinfection

- Please use Cidex Activated Glutaraldehyde Solution (disinfection parameters are defined in the disinfectant's instructions for use) according to the hospital standard.
- Rinse the probe thoroughly for 1-2 minutes with sterile water.
- Visually check the cleanliness of the equipment. If visible contaminants remain, repeat the above wiping and rinsing.
- Wipe off the residual solution with a sterile gauze after

disinfection.

Storage & Handling

When not in use, probes should be loosely coiled and stored in room temperature. Don't wrap probes around equipment cases to avoid damaging internal wires.

Operating Conditions

- Ambient temperature: 0°C to +40°C
- Relative humidity: 15% to 85%
- Atmospheric pressure: 86 kpa ~ 106 kpa

Storage & Packaging

Each probe is individually packaged.

Probes must be stored in their original packaging and within the storage conditions to maximize the storage life.

Storage conditions are as follows:

- Ambient temperature: -10°C to +40°C
- Relative humidity: 15% to 85%
- Atmospheric pressure: 86 kpa ~ 106 kpa

Shelf Life

5 years.

Warranty & Liability

Orantech offers 12 months warranty against defects in material or workmanship from the date of purchase. But does not include the damage or breakage due to the abusive use or negligent care of the probes.

Orantech reserves the right to perform warranty service at its own facility. We guarantee that the products conform to the specifications of the safety and performance standards currently in force and applicable to it.

Warning

- The probes are designed for use with specific monitors.
- The operator is responsible for checking the compatibility of the monitor, probe and cable before its use.
- Incompatible components can result in degraded accuracy and performance.
- Consult the operation instructions for the equipment concerned and the related accessories before operating equipment to

ensure their compatibility.

- Portable and mobile RF communications equipment can be affect equipment.
- Do not immerse connector ends in cleaning solution(s).
- Do not allow service or maintenance of the probe while used on a patient.
- No modification of this equipment is allowed.
- If possible, remove the probe from patient contact before activating any surgical unit or other RF source.
- If probes must be used together with electro surgical apparatuses, the instruments to which the probes are connected should be properly grounded and checked for adequate isolation from electrical shortages with other equipment.

Caution

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

Waste Disposal

Please refer to your local laws and regulations for information on how to dispose temperature probes.

Title of Symbol



Manufacturer

REF

Catalogue number

LOT

Batch code

SN

Serial number



Not made with natural rubber latex



Refer to instruction manual / booklet



Non-sterile

Rx only(U.S.)

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



Type BF Equipment Part



Caution



Date of manufacture

Crossed out wheelee bin indicates separate treatment from general waste at end of life. Waste of Electrical and Electronic Equipment Directive (WEEE)



EC REP

Authorized Representative in the European Community

IPX2

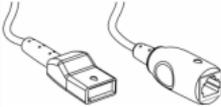
Protection against vertically falling water drops when ENCLOSURE tilted up to 15°

CE₀₁₂₃

CE Mark

Support

To get the support, please contact the representative of manufacturer or local distributor.
The categories shown below are available for sale through the local distributors or e-commerce.

			
SpO ₂	ECG	NIBP	IBP
			
TEMP	EtCO ₂	FETAL	EEG



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REF: M20-M034
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