

Viamed 37000 Series Temperature Probes Instructions

The Viamed reusable Temperature probes are designed for continuous measurement of temperature with many types of temperature monitor and temperature measuring modules. They come in several formats for a variety of applications. The 37000 Series probes have a 2.5mtr (10 ft) screened cable terminating in a two pole 1/4inch (7mm) Jack plug. Surface mounting temperature probes are disk-shaped. of the disk The metal side should be used for making measurements. Probes are accurate and interchangeable with any other probe in the same series.

Cleaning

Probes should be cleaned by wiping with warm water prior to disinfecting or sterilisation. Excessive pressure and continued flexing can stretch the cable and break the internal wires., Avoid contact with strong solvents and Chlorhexidine based fluids. Prolonged immersion in alcohol or mild organic solvents. detergent solutions or highly alkaline solutions will cause the vinyl to deteriorate and become stiff. The probe plugs should not be immersed in liquids.

Disinfection & Sterilisation

Probes may be disinfected using cold sterilisation fluids. Please consult your hospital authorities advise on disinfecting policies and always use under manufacturers directions. Probes should be rinsed thoroughly with water. Brief immersion of the probe in detergent solutions is not harmful. Ethylene oxide is the preferred sterilisation method. After sterilisation, probes must be thoroughly ventilated before handling or use. never autoclave or boil the probes

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Inspection

Prior to each use visually inspect the probe cable for cracks, and the plug for damaged wiring or holes, crazing etc. Oesophageal and rectal probes should be checked for flexibility

Accuracy.

probes are accurate to $\pm 0.1^{\circ}\text{C}$ and should not vary out of tolerance over the life of the probe. Damage to the probe will result in intermittent, extremely inaccurate or no reading.

Storage and Handling

Probes and leads should be stored at room temperature loosely coiled and not tightly wrapped around instruments etc.. and stored at room temperature.

WARRANTY'

All 37000 Series probes carry a one year warranty on workmanship, components and Accuracy tolerances,

Safety

Probe construction ensures that the sensors are electrically isolated from the patient. If the probe is damaged by abuse or mishandling the isolation can be compromised. The probe should only be used with medically approved isolated measuring equipment.

EMC

Electrosurgical equipment can create currents that may seek an alternate path to ground through the temperature probe and its associated measuring instruments resulting in patient burns. If possible either select a measuring point as far from the return ground pad as possible or remove the temperature probe during electrosurgical use.

Overhead warmers.

When using probes (normally skin probes) under overhead heaters the probe should be protected by a reflective patch to prevent external radiant heat affecting the measurement.

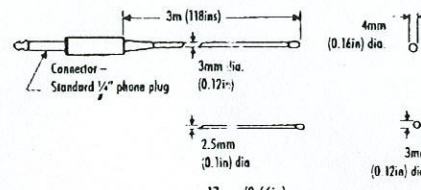
Interchangeability

All type 37000 probes are interchangeable to $\pm 0.1^{\circ}\text{C}$ between 0°C and 70°C

R-T curve Temperature vs Resistance	
Degrees $^{\circ}\text{C}$	Resistance Ohms
-15	16,416
-10	12,453
-5	9,529
0	7,353
5	5,719
10	4,482
15	3,539
20	2,814
25	2,252
30	1,814
35	1,471
40	1,199
45	983
50	811

YSI 400 SERIES COMPATIBLE THERMISTOR

3 metre vinyl cable with encapsulated sensor. Instrument end terminated in suitable jack plug as standard. Supplied unterminated to customer order if required.

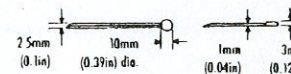


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Adult Rectal/Esophageal

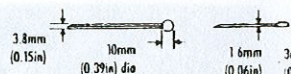
37204

Neonatal Rectal/Esophageal



37804

Neonatal Skin



37904

Adult Skin

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