



WORLD  
PRECISION  
INSTRUMENTS

# IT-23

## Tissue Implantable Thermocouple Probe

### SPECIFICATIONS

**Temp. Range at Tip:** -273°C to +150°C (-492°F to +300°F)  
**Time Constant:** 0.005 seconds  
**Sensor:** Type T Thermocouple  
Copper-Constantan  
**Wire:** Twisted pair 0.003" dia. insulated with  
extruded TFE Teflon  
**Needle:** Use 23ga hypodermic

**MAY BE STERILIZED BY AUTOCLAVE,  
GAS (ETO) OR CIDEX**

**STERILIZE BEFORE USE**

### DIRECTIONS FOR USE

Connect blue plug on probe into female blue socket on the thermometer. Plug enters socket only one way as metal legs are of different widths. This ensures correct polarity.

Insert tip of sensor into needle from hub end until tip is flush with bevel. Insert needle to required depth then withdraw needle along the lead, pressing gently forward on the sensor to retain it in position. Continue drawing needle back along the lead until it reaches plug end of probe. Tape to prevent damaging the lead.

### CAUTION

Use only the needle supplied.

When removing probe from needle, **take care that insulated lead is not damaged by the inside edge of bevel.** Press finger lightly against needle bevel thus keeping lead parallel with needle shaft. Needle should slide smoothly.

When disconnecting cable from instrument, grasp plug. **Never pull directly on the cable.**

**WARANTY:** Defective probes must be reported to WPI within 14 days of receipt. Upon inspection, WPI will undertake to repair or replace the probe at their discretion. Due to the fragile nature of these probes, no formal warranty is expressed or implied as to life expectancy. Quote batch number on any correspondence.

### IMPORTANT NOTICE

This probe was inspected prior to shipment. Upon receipt, please inspect the carton for shipping damage and notify carrier immediately if any is found. READ SPECIFICATIONS carefully to ensure that this is the correct probe for your application and that its maximum operating temperature will not be exceeded in use. If you find that this probe is not suitable for your application, please contact us within 14 days of receipt for technical assistance or return authorization.

### HOW TO TEST YOUR PROBE

Plug sensor into your thermometer and turn instrument on. Readout should indicate room temperature (approximately 25°C or 70°F). Hold the tip of the sensor between thumb and forefinger — reading should increase to 28-34°C (82-93°F) which is normal skin temperature.

### Batch #

(Also engraved on plug)

ASSEMBLED IN DOMINICAN REPUBLIC FROM USA MATERIALS

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