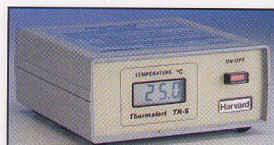
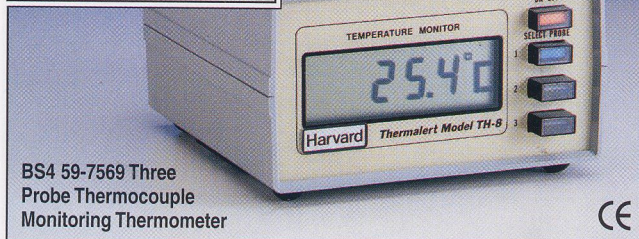


Thermometers and Probes

Thermocouple Monitoring Thermometers



BS4 60-1956 Single Probe Thermocouple Monitoring Thermometer



BS4 59-7569 Three Probe Thermocouple Monitoring Thermometer

- Choice of one or three probe inputs

These Thermometers are for use with the Thermocouple Probes and Microprobes offered on pages D22 to D25. The Thermometers monitor these Probes three times per second for fast response to temperature changes.

Two models of this Thermometer are available: a single probe input or three probe input. Both are powered by four 'C' cell batteries (supplied) and have an analog output jack and mating connector for connection to a chart recorder. The Cable is not supplied.

The Single Probe Thermometer has a temperature range from 25° to 45°C readable in 0.1°C increments. It reads temperatures in Celsius only.

The Three Probe Thermometer displays the temperature reading in either Celsius or Fahrenheit. It has a temperature range from -10° to +60°C (14° to 140°F) readable in 0.1°C (0.1°F) increments. Push buttons on the front of the Thermometer are used to select which probe temperature is displayed.



BS4 52-1773 Two-Way Probe Selector



BS4 52-1781 Five-Way Probe Selector



BS4 52-1310 Tilt Base

Specifications

Calibration	Conforms to National Institute of Standards and Technology tables. Monograph 125	
Leakage Currents	< than 10 μ A at 60 Hz; the instrument is isolated from ground and from mounting supports to withstand 5000 volts; capacitance to ground is low to ensure compatibility with electro surgical equipment	
Safety Standards	Conforms to: NFPA #56A, Inhalation Anesthetics UL #544, 1972 ANSI/AAMI Safe Current Limits for Electronics Apparatus	
Sensor(s)	Type 'T' thermocouple, copper-constantan	
Input Socket(s)	Miniature 'T' quick disconnect, copper-constantan	
Monitoring Thermometer	Single Probe	Three Probe
Temperature Range	25° to 45°C	-10° to +60°C (14° to 140°F)
Resolution	0.1°C	0.1°C (0.1°F)
Accuracy (Instrument Only)	0.1°C \pm 1 digit	0.1°C (0.2°F) \pm 1 digit at 25°C ambient
LCD Display	3-1/2 digits, 12.7 mm (1/2 in) high numerical display only	3-1/2 digits, 18 mm (0.7 in) high displays °C
Power Supply	4 'C' cell batteries	4 'C' cell batteries
Battery Life	1200 hrs continuous	2000 hrs continuous
Battery Warnings	Automatic 2-stage warning. indicator flashes when 8 hours of life remain; becomes continuous when batteries must be replaced	LO-BAT appears on display when battery voltage is low but several hours of life remain
Faulty Probe or Input	Display reads '0'	INPUT appears on display

Catalog No. \$ Product

BS4 60-1956	Single Probe Thermocouple Monitoring Thermometer
BS4 59-7569	Three Probe Thermocouple Monitoring Thermometer
BS4 52-1773	Two-Way Probe Selector, Permits two probes to be monitored with one Thermometer. This small unit plugs into the probe input on any of the Thermocouple Thermometers. It measures, H x W x D, 2.5 x 3.5 x 2.5 cm (1 x 1-3/8 x 1 in), see below left.
BS4 52-1781	Five-Way Probe Selector, accepts up to five Temperature Probes. A single connector goes to any of the Thermocouples Thermometers. It measures, H x W x D, 7 x 15.2 x 16 cm (2-3/4 x 6 x 6-1/3 in) and weighs 0.6 kg (1-1/4 lb), see left.
BS4 73-1911	Extension Cable for Miniature Type T Temperature Probes
BS4 52-1310	Tilt Base, black, heavy metal Base has a locking tilt head and omnidirectional swivel. It provides for easy positioning of the Portable Thermocouple Thermometer or Thermocouple Monitoring Thermometers, see pages D17 and this page respectively
BS4 60-1961	Temperature Controller, see page D19