

PROGRAMMABLE THERMOMETER

SERIES: HIT250

- ONE / TWO INPUT CHANNELS
- PROGRAMMABLE INPUT (OPTION)
- CELSIUS OR FAHRENHEIT SELECTABLE
- AUTO-POWER OFF FUNCTION
- MINIMUM, MAXIMUM FUNCTION



DESCRIPTION

Indumart's *HIT250* is a hand-held microprocessor based device for measurement of temperature in one or two points, using Pt-1000 or T/C types J, K and S. In addition, Indumart's programmable thermometer can also measure the temperature difference between two points.

HIT250 has a 4-digit display providing a resolution of 0.1°C within the range of -99.9 to +999.9 °C. Its features include: Auto Power-Off Function, Celsius or Fahrenheit selectable measuring unit and Min / Max. Function.

HIT250 is programmed and operated via a folio-type keyboard providing high degree of environmental protection for the unit. *HIT250* can be supplied with two long-life or rechargeable 1.5 V, AA Type batteries.

The unit is supplied with one or two temperature probes with M8 connectors.

The high accuracy and low power consumption of Indumart's *HIT250* make it a widely applicable measuring instrument.

SPECIFICATIONS

Inputs

Pt-1000	-100.0 to +660.0 °C
Thermocouple Type "J"	-100.0 to +1200 °C
Thermocouple Type "K"	-100.0 to +1200 °C
Thermocouple Type "S"	0.0 to +1700 °C

Indication and Keyboard

Digital Display	4-Digit, 8-Segment LCD, 13 mm
Keyboard	Folio-Type, 3 membrane keys

Accuracy

Measurement Error (Pt-1000)	0.1% of Span
Measurement Error (TC)	0.3% of Span
Non-Linearity Error	Negligible
Cold Junction Compensation	+/- 1°C
Temperature Drift	0.01% of Span for 1°C
Supply Voltage Variation	0.05% of Span for 1°C

Operating Condition

Operating Temperature	-10 to +65 °C
Operating Humidity	0 to 85 % RH

Power Supply

Supply Voltage	Two 1.5 V Batteries, Type: AA
Operating Consumption	Less than 3 mA
Standby Consumption	Less than 5 uA
Auto Power-Off time	Programmable from 0 to 30 min.

Physical Data

Case Material	Plastic
Probe Connection	4-Pin Socket M8
Dimensions	100 x 60 x 25 mm
Weight	Max. 110 g (with batteries)

ORDER CODE

PROGRAMMABLE THERMOMETER

Model: HIT250 -

NUMBER OF INPUTS

1	<input type="checkbox"/>
2	<input type="checkbox"/>

INPUT TYPE

PT-1000	<input type="checkbox"/>
T/C TYPE "J"	<input type="checkbox"/>
T/C TYPE "K"	<input type="checkbox"/>
T/C TYPE "S"	<input type="checkbox"/>
PROGRAMMABLE	<input type="checkbox"/>

POWER SUPPLY

LONG LIFE AA BATTERIES	<input type="checkbox"/>
RECHARGEABLE BATTERIES	<input type="checkbox"/>



INDUMART INC.

1-15 W. Pearce St., Richmond Hill, Ont. L4B 1H6, Canada
Phone: (905) 707-9998 Fax: (905) 707-8484 E-mail: Sales@Indumart.com