

Data sheet

ITA 11

Thermocouple Module

FEATURE:

- Converts any DMM into a thermometer
- -50°C to 1000°C (-58°F to 1832°F) range
- $^{\circ}\text{C}/$ switchable
- Flashing light operating indication
- Battery voltage check
- K type Bead thermocouple sensor included (-40°C to 204°C)
- Standard 9V battery

SPECIFICATION: (All at $23^{\circ}\text{C} \pm 5^{\circ}\text{C}$, $\leq 80\%$ R.H.)

Temperature Scale: Celsius or Fahrenheit user-selectable

Input: Single K-type thermocouple

Output to Meter: 1mV DC per or

Measurement Range: $-50 \sim 1000$ ($-58 \sim 1830$)

Range	Accuracy
$-19 \sim 350$	$\pm(0.5\%+2)$
$-3^{\circ}\text{F} \sim 662^{\circ}\text{F}$	$\pm(0.5\%+4^{\circ}\text{F})$
$351 \sim 500$	$\pm(2.0\%+2)$
$663^{\circ}\text{F} \sim 932^{\circ}\text{F}$	$\pm(2.0\%+4^{\circ}\text{F})$
$501 \sim 1000$	$\pm(2.9\%+2)$
$933^{\circ}\text{F} \sim 1832^{\circ}\text{F}$	$\pm(2.9\%+4^{\circ}\text{F})$
$-50 \sim -20$	$\pm(2.0\%+2)$
$-58^{\circ}\text{F} \sim -4^{\circ}\text{F}$	$\pm(2.0\%+4^{\circ}\text{F})$

General

Operating Temperature:	$0^{\circ}\text{C} \sim 30^{\circ}\text{C}$ ($\leq 80\%$ R.H.), $30^{\circ}\text{C} \sim 40^{\circ}\text{C}$ ($\leq 75\%$ R.H.), $40^{\circ}\text{C} \sim 50^{\circ}\text{C}$ ($\leq 45\%$ R.H.)
Storage Temperature:	$-20 \sim 60$
Temperature Coefficient:	$0.15 \times (\text{spec. Acc'y}) / <18, >28$
Power Requirement:	Single 9V battery (NEDA 1604 or IEC 6F22)
Battery Life:	500 hours (Alkaline)
Size:	122mm(W) \times 46mm(L) \times 30mm(H)
Weight:	150g
Accessories:	Battery (installed), K Type Bead Thermocouple Sensor and User Manual