

# Model TM45 Thermometer



- Ideal for HVAC/R contractor, plant maintenance, commercial building service
- Unique, new mini-stick design thermometer
- Small, go-anywhere size
- Type K thermocouple compatible
- °F/°C and 1°/0.1° selectable
- Data and Max Hold
- Bead probe and carry case with belt loop included

## TM45 Specifications (at 23 °C ± 5 °C, < 75 % R.H. non-condensing) (for 1 year, not including thermocouple error)

Temperature	
Measurement Range	°C mode: - 50.0 °C to 199.9 °C; 0.1 ° resolution - 50 °C to 1300 °C; 1 ° resolution °F mode: - 58.0 °F to 199.9 °F; 0.1 ° resolution - 50 °F to 1999 °F; 1 ° resolution
Resolution, Selectable	0.1 ° or 1 °
Accuracy	- 50.0 °C to 199.9 °C: ± (0.3 % rdg + 1 °C) - 50 °C to 1000 °C: ± (0.3 % rdg + 1 °C) 1000 °C to 1300 °C: ± (0.5 % rdg + 1 °C) °F mode: - 58.0 °F to 199.9 °F: ± (0.3 % rdg + 2 °F) - 58.0 °F to 1832 °F: ± (0.3 % rdg + 2 °F) 1833 °F to 1999 °F: ± (0.5 % rdg + 2 °F)
Temperature Coefficient	0.1 times the applicable accuracy specification per °C from 0 °C to 18 °C and 28 °C to 50 °C
Supplied Temperature Probe	
Probe Type	1.2 m (4 foot) type K thermocouple bead probe (teflon tape insulated)
Probe Accuracy	± 2.2 °C or ± 0.75 % of reading (whichever is greater) from 0 °C to 800 °C
Maximum Insulation Temperature	260 °C (500 °F)
Overload Protection	
Temperature	24 V AC or DC



## General Specifications

**Display:** 3½ dgt LCD, 1999 counts; **Display Update Rate, Digits:** 2.5/sec, nom.; **Power Supply:** Four 1.5 V AAA size UM-4 R03 batteries; **Battery Life (typical):** 200 hours zinc-carbon; **Low Battery Indication:** When battery voltage drops below operating level; **Operating Temperature:** 0 to 50 °C, < 80 % R.H.; **Storage Temperature:** - 20 °C to 60 °C, < 70 % R.H., battery removed; **Dimensions (HxWxD):** 170 x 44 x 40 mm (6.7" x 1.73" x 1.57"); **Weight (including batteries):** 250 grams (9 oz.); **Input Connector:** Accepts standard miniature thermocouple connectors (flat blades, spaced 7.9 mm, center to center); **Included Accessories:** K-type bead probe, carry case, batteries and manual

### Features

0.1 ° or 1.0 ° C or F ranges; Max Hold; Data Hold;

### Optional Accessories

TP255 Replacement Bead Probe; TP254 Immersion Probe; MH101K Master Handle Probe; TP110K Immersion Probe\*; TP120K Surface Probe\*; TP130K Air Probe\*

\*TP110K, TP120K and TP130K require MH101K handle



## **Model TM45**

### **Thermometer**

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