

## Data Sheet

# TM45 Thermometer



## Ideal for HVAC/R contractor, plant maintenance and commercial building service

- Unique, mini-stick design thermometer
- Small, go-anywhere size
- Type K thermocouple compatible
- °F/°C and 1 °/0.1 ° selectable
- Data and Max Hold

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

Function	Range	Accuracy
<b>Temperature</b>		
°C Mode	- 50.0 °C to 199.9 °C, 0.1 °	± (0.3 % rdg + 1 °C)
	- 50 °C to 1000 °C, 1 °	± (0.3 % rdg + 1 °C)
	1001 °C to 1300 °C	± (0.5 % rdg + 1 °C)
°F Mode	- 58.0 °F to 199.9 °F, 0.1 °	± (0.3 % rdg + 2 °F)
	- 58 °F to 1832 °F, 1 °	± (0.3 % rdg + 2 °F)
	1833 °F to 1999 °F	± (0.5 % rdg + 2 °F)
Resolution, selectable	0.1 ° or 1 °	
Temperature Coefficient	0.1 times the applicable accuracy specification per °C from 0 °C to 18 °C and 28 °C to 50 °C	
<b>Supplied Temperature Probe</b>		
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)	
<b>Overload Protection</b>		
Temperature	24 V ac or dc	

### General Specifications

Display	3-1/2 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 °C to 50 °C, < 80 % R.H.
Storage Temperature	- 20 °C to 60 °C, < 70 % R.H., battery removed
Dimensions (HxWxD)	170 mm x 44 mm x 40 mm (6.7 in x 1.73 in x 1.57 in)
Weight (including batteries)	250 g (9 oz)
Input Connector	Accepts standard miniature thermocouple connectors (flat blades, spaced 7.9 mm, center to center)

No waiting.

No shipping charges.

No hassle warranty



### Included Accessories

K-type bead probe (TP255), carrying case, batteries and users manual.

### 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

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