



Data Sheet

TM45A 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

No hassle warranty

No waiting.

*No shipping
charges.*



Our commitment to high-quality products and customer service is demonstrated by our industry exclusive "No Hassle" warranty. In the unlikely event that an Amprobe Test Tool requires warranty service, any of our local dealers are authorized to replace it, on the spot.

(note: \$500 MSLP limit)

Included Accessories

K-type bead probe (TP255A), carrying case, batteries and users manual.

Optional Accessories

TP255A	Replacement Bead Probe
TP254A	Immersion Probe
MH101KA	Master Handle Probe
TP110KA	Immersion Probe*
TP120KA	Surface Probe*
TP130KA	Air Probe*

*TP110KA, TP120KA and TP130KA require MH101KA handle



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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 °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)

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

Function	Range	Accuracy
Temperature		
°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	
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	