



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

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 | |

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