



## 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)

# TMD-56

## Multilogger Thermometer with USB Download

Amprobe TMD-56 thermometer with USB download capability is a professional choice for HVAC/R technicians, electricians, research, industrial process, and quality control. This model comes with a dual inputs that allows easy access to easy super-heat and sub-cool temperature measurement as well as cut-out and in temperature measurements.

- Backlit triple-display
- Built in memory
  - 16 sets, Maximum 16000 data points
- Data-logging:
  - 256 samples with real-time data per channel
- Easy Data Recall with up and down key: T1, T2, T1-T2, Time and Memory Location
- Thermocouple Offset Adjustment
- REC, MAX, MIN, MAX-MIN, Average, Relative Zero and HOLD functions
- Resolution 0.1°C/1°C, 0.1°F/1°F
- Warning beeper with Hi/Lo setting
- User selectable recording interval
- Real time clock with calendar



## TMD-56 Multilogger Thermometer with USB Download

## Data Sheet

### General Specifications

|                        |                                                                                |
|------------------------|--------------------------------------------------------------------------------|
| Display                | 4½ digit liquid crystal display (LCD) with a maximum reading of 19999.         |
| Polarity               | Automatic, positive implied, negative polarity indication.                     |
| Low Battery Indication | The "⚡" is displayed when the battery voltage drops below the operating level. |
| Auto Power Off         | 30 minutes                                                                     |
| Measurement Rate       | 2.5 times / second.                                                            |
| Operating Environment  | 0°C to 50°C (32°F to 122°F) <80% R.H.                                          |
| Storage Environment    | -20°C to 60°C (-4°F to 140°F) <70% R.H. with battery removed from meter.       |
| Accuracy               | Stated accuracy at 23°C ±5°C, <75% R.H.                                        |
| Power                  | 1.5V x 4pcs AAA size                                                           |
| Battery Life           | 120 hours                                                                      |
| Dimensions             | L241.3 X W157.98 X H76.2mm (9.5 X 6.22 X 3 in                                  |
| Weight                 | Approx. 365g (0.8lb) including batteries.                                      |



## TMD-56 Multilogger Thermometer with USB Download

## Data Sheet

### Electrical Specifications

|                             |                                                                            |
|-----------------------------|----------------------------------------------------------------------------|
| <b>Temperature Scale</b>    | User selectable Celcius or Fahrenheit                                      |
| <b>Measurement Range</b>    | <b>Thermocouple Type Range</b>                                             |
|                             | K-TYPE (0.1°) : -200°C to 1372°C (-328°F to 2501°F)                        |
|                             | J-TYPE (0.1°): -210°C to 1200°C (-346°F to 2192°F)                         |
|                             | T-TYPE (0.1°): -200°C to 400°C (-328°F to 752°F)                           |
|                             | E-TYPE (0.1°): -210°C to 1000°C (-346°F to 1832°F)                         |
|                             | R-TYPE (1°): 0°C to 1767°C (32°F to 3212°F)                                |
|                             | S-TYPE (1°): 0°C to 1767°C ( 32°F to 3212°F)                               |
|                             | N-TYPE (0.1°): -50°C to 1300°C ( -58°F to 2372°F)                          |
| <b>Accuracy</b>             | <b>K/J/T/E-TYPE</b>                                                        |
|                             | ±(0.05% rdg + 0.3°C) -50°C to 1372°C                                       |
|                             | ±(0.05% rdg + 0.7°C) -50°C to -210°C                                       |
|                             | ±(0.05% rdg + 0.6°F) -58°F to 2501°F                                       |
|                             | ±(0.05% rdg + 1.4°F) -58°F to -346°F                                       |
|                             | <b>N-TYPE</b>                                                              |
|                             | ±(0.05% rdg + 0.8°C) -50°C to 0°C                                          |
|                             | ±(0.05% rdg + 0.4°C) 0°C to 1300°C                                         |
|                             | ±(0.05% rdg + 1.6°F) -58°F to 32°F                                         |
|                             | ±(0.05% rdg + 0.8°F) 32°F to 2372°F                                        |
|                             | <b>R/S-TYPE</b>                                                            |
|                             | ±(0.05% rdg + 2°C) 0°C to 1767°C                                           |
|                             | ±(0.05% rdg + 4°F) 32°F to 3212°F                                          |
| <b>Included accessories</b> | Users manual, Battery (4), USB cable, Software CD, K type thermocouple (2) |

## TMD-56 Multilogger Thermometer with USB Download

## Data Sheet



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6/2010 TMD-56\_DS Rev A

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