



## TMD-55 Multilogger Thermometer

Amprobe TMD-55 thermometer is a professional choice for HVAC/R technicians, electricians, research, industrial process, and quality control. The dual inputs allow easy super-heat and sub-cool temperature measurement as well as cut-out and in temperature measurements.

Choose between models with 0.1% and 0.05% basic accuracy, single and triple displays or memory. Wireless communication is invaluable for applications requiring remote access to the instruments data.

### 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)

- Backlit triple-display
- Built in memory
  - 16 sets, Maximum 1024 data points
- Data-logging:
  - 128 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-55 Multilogger Thermometer

## Data Sheet

### General Specifications

<b>Display</b>	4½ digit liquid crystal display (LCD) with a <b>maximum reading of 19999.</b>
<b>Polarity</b>	Automatic, positive implied, negative polarity indication.
<b>Low Battery Indication</b>	The "⚡" is displayed when the battery voltage drops below the operating level.
<b>Auto Power Off</b>	30 minutes
<b>Measurement Rate</b>	2.5 times / second.
<b>Operating Environment</b>	0°C to 50°C (32°F to 122°F) <80% R.H.
<b>Storage Environment</b>	-20°C to 60°C (-4°F to 140°F) <70% R.H. with battery removed from meter.
<b>Accuracy</b>	Stated accuracy at 23°C ±5°C, <75% R.H.
<b>Battery</b>	1.5V x 4pcs AAA size
<b>Battery Life</b>	120 hours typical
<b>Dimensions</b>	L241.3 X W157.98 XH76.2mm (9.5 X 6.22 X3 in)
<b>Weight</b>	Approx. 286g (0.63 lb) including batteries and packaging box.



## TMD-55 Multilogger Thermometer

## Data Sheet

### Electrical Specifications

Temperature scale	User selectable Celcius or Fahrenheit
Measurement Range	<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)
Accuracy	<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
Included Accessories	Users Manual, Battery (4), K type thermocouple (2)

## TMD-55 Multilogger Thermometer

## Data Sheet



Contact:  
Industrial Process Measurement, Inc.  
3910 Park Avenue, Unit 7  
Edison, NJ 08820  
732-632-6400  
support@instrumentation2000.com  
<http://www.instrumentation2000.com>

©2010 Amprobe Test Tools. All rights reserved.  
6/2010 TMD-55\_DS Rev A