



TMD 50 Series Thermometers

The professional choice for HVAC technicians, electricians, research, industrial process, and quality control, these thermometers offer dual inputs for easy super-heat and sub-cool temperature measurement as well as cut-out and cut-in temperature measurements.

Choose between models with 0.1% and 0.05% basic accuracy, single and triple displays or memory. Wireless communication is invaluable when you need remote access to measurement data.

To monitor and track temperatures, the multi-logging thermometers feature real-time clocks with calendar, user-selectable recording intervals, and easy data recall using up and down keys.

- Wireless two-way transmission (TMD-53W and TMD-55W only)
- °F/°C selectable
- Dual input: T1, T2, T1-T2
- Warning beeper with Hi/Lo setting alerts you of out-of-range measurement
- Min/max with elapsed time, average, relative, hold functions
- Time and relative settings
- In-field thermocouple offset adjustment
- Robust holster protects the instrument.
- Auto power-off saves batteries

| FEATURE | TMD-50 | TMD-51 | TMD-52 | TMD-53 | TMD-53W | TMD-55 | TMD-56 | TMD-55W |
|--|--------|-------------|------------|--------|----------|---------------------|--------------|-------------|
| Thermocouple Type | K | K, J | K, J, T, E | K, J | K, J | K, J, T, E, R, S, N | | |
| Basic Accuracy | 0.1 % | 0.1 % | 0.05 % | 0.05 % | 0.05 % | 0.05 % | 0.05 % | 0.05 % |
| Number of Parameters on the Display | 1 | 1 | 3 | 3 | 3 | 3 | 3 | 3 |
| Real time clock - Wireless Beeper with Setting | - | - | - | • | • | • | • | • |
| Wireless Transmission | - | - | - | - | • | - | - | • |
| Data Capture | - | 125 Samples | - | - | - | 128 Samples | 256 Samples | 128 Samples |
| Data Logger | - | - | - | - | - | 1024 Points | 16000 Points | 1024 Points |
| PC Interface | - | - | - | - | Wireless | - | USB | Wireless |

For detailed specifications go to www.Amprobe.com

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ORDERING INFORMATION

- TMD-50**
THERMOCOUPLE THERMOMETER
K TYPE
- TMD-51**
THERMOCOUPLE THERMOMETER
K/J TYPE WITH MEMORY
- TMD-52**
THERMOCOUPLE THERMOMETER
K/J/T/E TYPE
- TMD-53**
THERMOCOUPLE THERMOMETER
K/J
- TMD-53W**
THERMOCOUPLE THERMOMETER
K/J WITH WIRELESS
- TMD-55W**
MULTILOGGER THERMOMETER W/
WIRELESS DOWNLOAD
- TMD-56**
MULTILOGGER THERMOMETER

Temperature Ranges for TMD-50 series depending on thermocouple:

| THERMOCOUPLE TYPE | TEMPERATURE RANGE |
|-------------------|---------------------------------------|
| K-TYPE | -328 °F → 2501 °F (-200 °C → 1372 °C) |
| J-TYPE | -346 °F → 2192 °F (-210 °C → 1200 °C) |
| T-TYPE | -328 °F → 752 °F (-200 °C → 400 °C) |
| E-TYPE | -346 °F → 1832 °F (-210 °C → 1000 °C) |
| R-TYPE | 32 °F → 3212 °F (0 °C → 1767 °C) |
| S-TYPE | 32 °F → 3212 °F (0 °C → 1767 °C) |
| N-TYPE | -58 °F → 2372 °F (-50 °C → 1300 °C) |

Dual Input Digital Thermometers with 0.1% basic accuracy

TMD-50, TMD-51, TMD-52

These highly accurate thermometers give precise measurements on a large, easy-to-read backlit display. The robust holster protects the instrument. Auto power-off saves batteries.

- Dual input: T1, T2, T1-T2 °F/°C selectable
- Built-in memory for 125 samples (TMD-51 only)
- Average/relative zero functions (TMD-50/TMD-52 only)
- Min/max/hold functions
- In-field thermocouple offset adjustment

INCLUDED ACCESSORIES: Users manual, 2 type-K thermocouple, 4 batteries (installed)



Dual Input Digital Thermometers with 0.05% basic accuracy

TMD-53, TMD-53W

When your application demands even higher accuracy, choose these models. A warning beeper with Hi/Lo setting alerts you of out-of-range measurements.

- Wireless two ways transmission (TMD-53W only)
- K/J-type thermocouple selection
- Dual input
- Min/max with elapsed time, average, relative, hold functions
- Time and relative settings
- 0.05 basic accuracy to 0.2 °F (0.1 °C) resolution
- °F/°C selectable

INCLUDED ACCESSORIES: USB wireless module and software CD (TMD-53W only), users manual, 2 type-k thermocouple, batteries (installed)



RECOMMENDED ACCESSORIES

USB-W1 USB Wireless Module
(TMD-53W)



The wireless way to log temperatures

TMD-55, TMD-55W, TMD-56 Multi-logging Digital Thermometers with 0.05% Basic Accuracy

Monitor and track temperatures with these multi-logging thermometers. All models feature a backlit triple-display, real-time clock with calendar and user-selectable recording intervals. Easy data recall using up and down key.

- Wireless two way transmission and data download (TMD-55W only)
- USB computer download (TMD-56 only)
- Data capture: 128 samples with real-time data per input
- Data logging: 16 sets, maximum 1,024 data points
- Thermocouple offset adjustment
- Record, max, min, max-min, average, relative zero and hold functions
- Warning beeper with Hi/Lo setting
- Resolution 0.1 °F/1 °F (0.1 °C/1 °C)

INCLUDED ACCESSORIES: USB wireless module and software CD (TMD-55W), USB cable and software CD(TMD-56 only), users manual, 2 type-k thermocouple, batteries (installed)



RECOMMENDED ACCESSORIES

USB-W1 USB Wireless Module
(TMD-55W)

