



## RTD-10 and RTD-10W Dual Input Digital RTD Thermometers

Resistive thermal devices (RTDs) are becoming the preferred temperature sensors for precision industrial applications. Instead of generating voltage, RTDs generate electrical resistance, which varies linearly with temperature. Amprobe RTD thermometers maintain long-term stability for superior repeatability of measurements, when compared to thermocouples.

- RTD dual-input function
- Pt3916/Pt3926/Pt385 RTD standard
- °F/°C user-selectable
- Min/max with elapsed time, average, relative, hold functions
- Resolution to 0.2 °F (0.1 °C)
- Wireless two-way transmission (RTD-10W only)
- Warning beeper with Hi/Lo setting alerts you to out-of-range temperatures

FEATURE	RTD-10	RTD-10W
Wireless Transmission	-	•
Temperature	RTD: Pt385 (100 Ω), Pt3916/Pt3926 (100 Ω) Range: Pt385 (100 Ω): -328 °F → 1472 °F (-200 °C → 800 °C) Pt3916 / Pt3926 (100 Ω): -328 °F → 1166 °F (-200 °C → 630 °C)	
Accuracy	+/- (0.05 %rdg + 0.4 °F) on °F scale +/- (0.05 %rdg + 0.2 °C) on °C scale	
Number of parameters on the Display	3	

**INCLUDED ACCESSORIES:** USB wireless module and software CD (RTD-10W), 2 RTD probes, users manual, batteries (installed)



**RECOMMENDED ACCESSORIES**  
**USB-W1 USB Wireless Module**  
 (RTD-10W)

## TMD90A Dual Input Digital Thermometer with Triple Display

This high-accuracy dual input thermometer offers a wide temperature range and accepts six types of thermocouples: J, K, T, R, S, E.

- Dual inputs for easy super-heat and sub-cool plus cut-out and -in temperature measurements
- Triple display with backlight shows T1, T2, and T1 - T2
- Hold, min/max, relative, and timer
- Date stamp function
- Optional PC interface for real-time data acquisition

SPECS	RANGE	BEST ACCURACY
Type K	-328 °F → 2498 °F (-200 °C → 1370 °C)	0.1 % rdg + 1.4 °F (0.1 % rdg + 0.7 °C)
Type J	-328 °F → 1400 °F (-200 °C → 760 °C)	0.1 % rdg + 1.4 °F (0.1 % rdg + 0.7 °C)
Type T	-328 °F → 730 °F (-200 °C → 390 °C)	0.1 % rdg + 1.4 °F (0.1 % rdg + 0.7 °C)
Type R & S	32 °F → 3200 °F (0 °C → 1760 °C)	0.1 % rdg + 1.4 °F (0.3 % rdg + 0.7 °C)
Type E	-328 °F → 1832 °F (-200 °C → 736 °C)	0.1 % rdg + 1.4 °F (0.3 % rdg + 0.7 °C)

**INCLUDED ACCESSORIES:** 2 type-K thermocouple probes, hard carrying case, battery (installed), users manual



**RECOMMENDED ACCESSORIES**  
**TM-SWA USB Download Cable and Software CD**  
 (See Page 79)

For detailed specifications go to [www.Amprobe.com](http://www.Amprobe.com)



**ORDERING INFORMATION**

**RTD-10W**  
 RTD THERMOMETER WIRELESS  
**RTD-10**  
 RTD THERMOMETER  
**TMD90**  
 DUAL INPUT DIGITAL THERMOMETER, TYPE K,J,T,R,S,E

## TMD-10 Dual Temperature Portable Thermometer

This completely portable dual-input, dual-display thermometer offers a number of handy features.

- Compatible with type-K and type-J thermocouples
- Dual temperature for easy super-heat and sub-cool calculations
- Selectable °F/°C
- Min/max recording
- Relative reading (T1 - T2)
- Data hold function to retain reading on the screen for later viewing
- Low battery indication

THERMOCOUPLE	RANGE	BEST ACCURACY
Type-K	-328 °F → 2498 °F (-200 °C → 1370 °C)	+/- (0.05 % + 1.4 °F)
Type-J	-328 °F → 1922 °F (-200 °C → 1050 °C)	+/- (0.05 % + 0.7 °F)

**INCLUDED ACCESSORIES:** Carrying case, battery (installed), 2 type-K probes, users manual



## IR-500 Infrared Thermometer, Voltage Detector and Flashlight

Shine the light on temperature and voltage with a must-have tool you'll reach for everyday.

- Verify temperature without contact using the laser pointer
- Non-contact ac voltage detection with light and sound
- Ultra bright LED flashlight built in
- Holds temperature reading (selectable °F / °C) for ten seconds
- Accuracy: +/- 2 °F (+/- 1 °C)



Available June 2011



## IR608A Infrared Thermometer with Laser Pointer

Point and press for quick and easy non-contact temperature measurement. Use this effective diagnostic tool to identify temperature for HVAC, fire safety and protection, industrial maintenance, automotive and quality control.

- Comfortable "pistol grip" design
- Small enough to fit in your pocket
- Laser sighting for accurate targeting (CE EN60825 certified Class II)
- Display hold
- Fast response time
- Backlight display for visibility in a variety of working conditions
- Low battery Indicator

SPECIFICATIONS	IR608A	IR-500
Range	0 °F → 750 °F (-18 °C → 400 °C)	14 °F → 932 °F (-10 °C → 500 °C)
Distance to spot size	8:1 ratio	
Resolution	0.5 °F (0.2 °C)	
Accuracy	+/- 2 % of reading or +/- 3.5 °F (+/- 2 °C) which ever is greater	+/- 2 °F (1 °C)
Emissivity	Pre-set 0.95	

**INCLUDED ACCESSORIES:** Battery (installed), users manual, pocket clip (IR-500 only)



For detailed specifications go to [www.Amprobe.com](http://www.Amprobe.com)



**ORDERING INFORMATION**

**TMD-10**  
 DUAL CHANNEL THERMOMETER, TYPE K, J  
**IR-500**  
 PEN TYPE IR THERMOMETER  
**IR608A**  
 IR THERMOMETER, PISTOL GRIP, LASER POINTER