

Temp 300 Datalogging Thermocouple Thermometer

Our most advanced thermocouple thermometer

Datalogging for up to 2000 points -

Time-and-date stamp for advanced data analysis

Menu-driven setup and operation - Detailed on-screen information makes the Temp 300 easy to use

T1/T2 function – Take differential temperature measurements with simultaneous display of individual probes

USB output – Easily transfer stored readings to your computer

Standard miniconnectors – Choose from a wide variety of probes

All push-button operation - For fast, easy use

Automatic field calibration – Easily performed for either a single- or dual-point calibration for each probe

°C/°F/°R or K selectable

Minimum and maximum temperature display - Displays highest/lowest temperature since meter was switched on, or use Min/Max Hold Mode to continuously update lowest/ highest temperature

Temperature offset calibration adjustment - Push-button adjustment for fine-tuning factory calibration

Hold function – Freezes measurements for convenient reading and recording

Auto-off function - Turns off meter after 17 minutes of nonuse to save batteries

Sealed keypad and ABS plastic case; available rubber armor - Meet IP54 standards for splash resistance; armor adds protection and features a built-in stand



General



Industrial



Available protective armor makes the Temp 300 rugged enough for your tough environment

Select a probe to match your application

See pages 72-77 for our wide selection of probes.







Power: three AA batteries (included) or optional

Battery life: 400 hours continuous (without use of

or B probe with miniconnector (not included)

Meter: 4"W x 7"H x 2"D (10.2 x 18 x 5.2 cm)

Boxed: $10\frac{1}{4}$ " x $5\frac{5}{16}$ " x 3" (26 x 13.5 x 7.5 cm)

Weight: Meter: 0.75 lb (0.4 kg); Boxed: 1.25 lb (0.6 kg)

(with protective boot)

Probe: two thermocouples; use any J, K, T, E, R, S, N,



Specifications

Probe	Range	
Type J	−210 to 1200°C (−346 to 3192°F)	
Type K	−250 to 1372°C (−418 to 2501°F)	
Type T	−250 to 400°C (−418 to 752°F)	
Type E	−250 to 1000°C (−418 to 1832°F)	
Type R	0 to 1768°C (32 to 3214°F)	
Type S	0 to 1768°C (32 to 3214°F)	
Type N	−250 to 1300°C (−418 to 2372°F)	
Type B	200 to 1800°C (392 to 3272°F)	

AC adapter

backlighting)

Dimensions:

Resolution: 0.01 or 0.1°F/°C; auto-ranging to 0.1° above +99.99°

Accuracy:

Type J, K, T, E, and N: $\pm 0.25\%$ of reading $\pm 2^{\circ}F$ ($\pm 1^{\circ}C$) below -148° F (-99.9° C), $\pm 0.1\%$ of reading $\pm 0.7^{\circ}$ F (±0.4°C) above -238°F (-150°C)

Type R, S, and B: $\pm 0.1\%$ of reading $\pm 2^{\circ}F$ ($\pm 1^{\circ}C$)

Datalogging: 2000 real-time readings, with time-and-date stamp

Display: 4-digit, custom dot matrix display; 1/4" x 1/2" digits, 21/4" x 11/2" backlit viewing area Digital output: USB

Ordering Information

Catalog number	Description	Included
WD-35427-50	Temp 300 datalogging	Meter and batteries
WD-35427-51	Calibrated Temp 300	Meter and NIST-traceable calibration report
WD-35427-52	Calibrated system	Meter and NIST-traceable calibration; probe sold separately
WD-35427-80	Rubber armor	Rubber armor with built-in meter stand
WD-35427-85	Hands-free kit	Multipurpose hanging strap and mounting magnets
WD-35427-86	USB cable	For connection to PC

