

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



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



35427-50

Select a probe to match your application

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

PREDICTING
A CHANGE IN
TEMPERATURE

ISO9001:2000
CERTIFIED SUPPLIER

CE

3 year
warranty
meter only

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)

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 $\pm 2^\circ\text{F}$ ($\pm 1^\circ\text{C}$)
below -148°F (-99.9°C), $\pm 0.1\%$ of reading $\pm 0.7^\circ\text{F}$ ($\pm 0.4^\circ\text{C}$) above -238°F (-150°C)

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

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

Display: 4-digit, custom dot matrix display; $\frac{1}{4}'' \times \frac{1}{2}''$ digits, $2\frac{1}{4}'' \times 1\frac{1}{2}''$ backlit viewing area

Digital output: USB

Power: three AA batteries (included) or optional AC adapter

Battery life: 400 hours continuous (without use of backlighting)

Probe: two thermocouples; use any J, K, T, E, R, S, N, or B probe with miniconnector (not included)

Dimensions:

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

Boxed: 10 $\frac{1}{4}$ " x 5 $\frac{1}{16}$ " 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)



General



Industrial

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