



TEGAM®

THERMOCOUPLE THERMOMETER

Model 911B / 912B



Industrial Thermocouple Thermometer

The only multi-thermocouple handheld thermometers made in the U.S.A that offer superior accuracy, 2000-hour battery life, and a 3-year warranty.



TRUST is an essential feature in any measurement tool and TEGAM's new 900 Series thermometers are instruments you can **rely on every day** with confidence. These new models are the most accurate thermometers ever offered by TEGAM to meet the increasing demands of regulatory requirements in food, pharmaceutical, and materials applications where process temperature measurement is critical. Superior instrument accuracy, combined with the "Probe Offset" feature to zero out probe errors, makes their "system" accuracy unmatched in the industry.

The single channel Model 911B and dual channel 912B boast **2000-hour battery life** using three off-the-shelf AA batteries to provide convenient, dependable, uninterrupted, low-cost portable measurement capability without expensive batteries, AC adapters or chargers.

Real-time statistical data increases user productivity, process efficiency and product quality. Displayed on-demand, MIN, MAX, AVG, RANGE and STDEV (standard deviation) provide critical process information and diagnostics that allow the user to analyze manufacturing processes on the fly and make immediate adjustments for maximum efficiency and quality.

The creative ergonomic design makes these instruments easy to hold, easy to read and easy to clean. **Designed for one-handed operation**, these tools are comfortable to carry and use for extended periods of time. The smooth, sleek, seamless case means cleaning is quick and simple.

Like all TEGAM products, the 900 Series thermometers are designed, assembled and tested in the United States. TEGAM backs this durable instrument with a standard **3-year warranty** to assure you that your investment is sound.

For over 30 years, TEGAM has been building handheld thermometers for challenging applications. TEGAM's 900 Series extends that experience into new thermometers tasked with producing **reliable thermocouple measurements in all types of environments**. They are designed to be durable and easy to use, with advanced features that outmatch your challenges.

When the Measurement Matters, Be Certain with TEGAM.

FEATURES

- Superior Accuracy
 $\pm(0.04\% |\text{rdg}| + 0.3\text{ }^{\circ}\text{C})$
- Probe Offset
- 2000-Hour Battery Life
- Displays Real-Time Statistical Data
- Creative Ergonomic Design
- 3-Year Warranty
- Made in USA



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Specifications

Basic Accuracy*	±(0.04% rdg + 0.3 °C)		
Recommended Calibration Cycle	2 years		
Temperature Ranges	°C	°F	K
K	-200 to 1372	-328 to 2502	73 to 1645
J	-210 to 1200	-346 to 2192	63 to 1473
T	-250 to 400	-418 to 752	23 to 673
E	-250 to 1000	-418 to 1832	23 to 1273
Connector Type	Mini-TC		
Probe Zero Function	Resolution 0.1 °C/°F/K		
Display	4-Digit Auto-Resolution (0.1° < 1000°, 1° ≥ 1000°) with Backlight and Function Annunciators		
Reading Rate	3/sec. for Readings and TREND indicators		
Battery Type	3 AA (IEC LR6, ANSI 15) Alkaline		
Battery Life	2000 Hours		
Statistics	Min, Max, Avg, Rng, T1-T2 and Std Dev		
Clock	Elapsed Statistics Run Time		
Operating Environment:			
Temperature	-20 to 55 °C	-4 to 131 °F	
Humidity	5 to 95%, 10 to 30 °C	5 to 95%, 50 to 86 °F	
Altitude	0 to 4600 m	0 to 15,092 ft.	
Vibration	Random 10-500 Hz, 0.03 g²/Hz		
Shock	30g Half Sine		
Drop	4 drops from 1 m to concrete		
Dimensions	193 X 84 X 28 mm	7.6 X 3.3 X 1.1 in.	
Weight (including batteries)	911B: 300.9 g (10.6 oz.)	912B: 303.2 g (10.7 oz.)	
Warranty	3 year Parts & Workmanship		
Calibration Guarantee	2 year		
Included Accessories	3 AA Batteries, Quick Start Guide, Certificate of Traceability		
Optional Accessories	Tilt Stand/Magnet/Hanger, Foam-Filled Hard Carry Case, Printed Manual		
Available Probes	See TEGAM Temperature Probe Selection Guide for available probes.		

Ordering Information	Model	Description
Thermometers	911B	Thermocouple Thermometer, Single Input
	912B	Thermocouple Thermometer, Dual Input
Accessories	911-910	Tilt Stand/Magnet/Hanger (factory installed)
	911-912	Tilt Stand/Magnet/Hanger (user installed)
	911-911	Foam-Filled Hard Carry Case
	911B-900	Printed Manual

*Accuracy based on recommended calibration cycle.

Mouser Electronics

Authorized Distributor

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[911B](#) [912B](#)