

## Industrial Thermocouple Thermometer

The only multi-thermocouple handheld thermometers made in the U.S.A that offer 0.05% accuracy, 2000 hour battery life, 3 year warranty and are available in IP55/57 water-resistant versions.



**TRUST** is an essential feature in any measurement tool and TEGAM's new 900 and 1000 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 911A and 1011A, and dual channel 912A and 1012A 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.

For **enhanced protection against the elements** the 1011A and 1012A are equipped with threaded M12 input connectors that provide a mechanically secure interface and a near water-tight seal to ensure that no contaminants from outside the instrument reach the electronics inside where they may cause damage, erratic operation or measurement errors.

Like all TEGAM products, the 900 and 1000 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 30 years, TEGAM has been building hand held thermometers for challenging applications. TEGAM's 900 and 1000 Series extend that experience into a new thermometer 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 your measurement matters...

**Be Certain with TEGAM!**

### FEATURES

- Superior Accuracy  
 $\pm(0.05\% |rdg| + 0.3\text{ }^{\circ}\text{C})$
- Probe Offset
- 2000 Hour Battery Life
- Displays Real-Time Statistical Data
- Creative Ergonomic Design
- 3 Year Warranty
- Made in USA

**Specifications for Models 911A/912A/1011A/1012A**

<b>Basic Accuracy</b>	±(0.05%  rdg  + 0.3 °C)		
<b>Temperature Ranges</b>	°C	°F	K
<b>K</b>	-250 to 1372	-418 to 2502	23 to 1645
<b>J</b>	-210 to 1200	-346 to 2192	63 to 1473
<b>T</b>	-250 to 400	-418 to 752	23 to 673
<b>E</b>	-250 to 1000	-418 to 1832	23 to 1273
<b>Connector Type</b>	Mini-TC (911A and 912A); M12 (1011A and 1012A)		
<b>Probe Zero Function</b>	Resolution 0.1 °C/°F/K		
<b>Display</b>	4 Digit Auto-Resolution (0.1/1) with Backlight and Function Annunciators		
<b>Reading Rate</b>	3/sec. for Readings and TREND indicators		
<b>Battery Type</b>	3 AA (IEC LR6, ANSI 15) Alkaline		
<b>Battery Life</b>	2000 Hours		
<b>Statistics</b>	Min, Max, Avg, Rng, T1-T2 and Std Dev		
<b>Clock</b>	Elapsed Statistics Run Time		
<b>Operating Environment:</b>			
<b>Temperature</b>	-20 to 55 °C	-4 to 131 °F	
<b>Humidity</b>	5 to 95%, 10 to 30 °C	5 to 95%, 50 to 86 °F	
<b>Altitude</b>	0 to 4600 m	0 to 15,092 ft.	
<b>Vibration</b>	Random 10-500 Hz, 0.03 g <sup>2</sup> /Hz		
<b>Shock</b>	30g Half Sine		
<b>Drop</b>	4 drops from 1 m to concrete		
<b>Ingress Protection</b>	IP55/57 (1011A and 1012A)		
<b>Dimensions</b>	193 X 84 X 28 mm	7.6 X 3.3 X 1.1 in.	
<b>Weight</b>	362.9 g	12.8 oz	
<b>Warranty</b>	3 year Parts & Workmanship		
<b>Calibration Guarantee</b>	2 year		
<b>Included Accessories</b>	3 AA Batteries, Quick Start Guide, Certificate of Traceability		
<b>Optional Accessories</b>	Tilt Stand/Magnet/Hanger, Hard Carry Case		
<b>Available Probes</b>	See TEGAM Temperature Probe Selection Guide for available probes.		
<b>Ordering Information</b>	<b>Model</b>	<b>Description</b>	
<b>Thermometers</b>	<b>911A</b>	Thermocouple Thermometer, Single Input	
	<b>912A</b>	Thermocouple Thermometer, Dual Input	
	<b>1011A</b>	Industrial Thermocouple Thermometer, Single Input	
	<b>1012A</b>	Industrial Thermocouple Thermometer, Dual Input	
<b>Accessories</b>	<b>911-910</b>	Tilt Stand/Magnet/Hanger	
	<b>911-911</b>	Foam-Filled Hard Carry Case	