

## Handheld Bond Measurements

From the Low Resistance Experts, The only highly-portable bond meter made in the U.S.A that offers superior accuracy, 100-hour battery life, and a 3-year warranty.



### COMMON FEATURES

- Superior Accuracy  
±(0.2% |rdg| + 0.02% Range)
- Widest Probe Selection
- Uncomplicated, Back-lit Display
- 100-Hour Battery Life (3AA)\*
- Smallest and Lightest Bond Meter
- 3-Year Warranty
- Made in USA
- Model 720A: Intrinsically Safe

\*Actual battery life depends on measurement range and frequency.

**TRUST** is an essential feature in any measurement tool and TEGAM's new 700 Series bond meters are instruments you can **rely on every day** with confidence. These new models are designed with the clearest and most informative displays for mistake-free usage. They quickly produce accurate readings to reduce the time spent measuring.

**TEGAM** is the largest producer of bond meters for airframe testing in both military and commercial applications. We also make some of the finest low resistance measurements instruments in the world. We combined this experience into the smallest size bond meter that you can take with you anywhere on an airframe with ease. We also developed unique low power techniques so that you don't have to deal with power cords or battery chargers. The 710A/720A will run for 100 hours on 3 standard AA batteries and has auto power off to preserve them. The battery health is clearly indicated so that you have ample warning for replacement.

**PROBES** are often more important than the instrument. No one has wider range of configurations to meet and adapt to your needs. From tight spacing to piercing paint, we have a handle and tip combination for virtually all applications. You can mix styles to make your job easier. The dual connector system permits a Kelvin Clip on one lead for secure ground connection while the ergonomic tri-shape probe on the second lead can be used for accessing multiple points with one hand.

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.

Like all TEGAM products, the 700 Series bond meters are designed, assembled and tested in the United States. TEGAM backs this durable instrument with a **3-year warranty** to assure you that your investment is sound.

For over 30 years, TEGAM has been building hand held instruments for challenging applications. TEGAM's 700 Series extends that experience into highly portable bond meters tasked with producing **reliable measurements in tight spaces encountered with aircraft**. They are designed to be durable and easy to use, with advanced features for better measurements.

**When the Measurement Matters, Be Certain with TEGAM.**

## Specifications

Resistance Ranges and Test Currents		
Full Scale	Resolution	Test Current
10.000 mΩ	1 μΩ	100 mA
100.00 mΩ	10 μΩ	10 mA
1.0000 Ω	100 μΩ	1 mA
10.000 Ω	1 mΩ	100 μA
100.00 Ω	10 mΩ	10 μA
<b>Basic Accuracy</b>	±(0.2% Reading + 0.02% Range)	
<b>Connector Type</b>	M12	
<b>Display</b>	4-Digit Auto-Ranging with Backlight and Function Annunciators	
<b>Reading Rate</b>	3 readings / sec.	
<b>Battery Type</b>	3 AA (IEC LR6, ANSI 15) Alkaline	
<b>Battery Life</b>	Standby: 100 hours; Operation @ 100 mA: 50 hours	
Operating Environment:		
<b>Temperature</b>	-10 to 55 °C	14 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>Dimensions</b>	193 X 84 X 28 mm	7.6 X 3.3 X 1.1 in.
<b>Weight (including batteries)</b>	303.2 g (10.7 oz.)	
<b>Warranty</b>	3 year Parts & Workmanship	
<b>Included Accessories</b>	3 AA Batteries, Quick Start Guide, Certificate of Traceability	

Ordering Information	Model	Description
<b>Bond Meters</b>	<b>710A</b>	Handheld Bond Meter
	<b>720A</b>	Handheld Bond Meter, Intrinsically Safe – AVAILABLE SOON
<b>Optional Accessories</b>	<b>700-910</b>	Tilt Stand / Magnetic / Hanger (Factory Installed)
	<b>700-912</b>	Tilt Stand / Magnetic / Hanger (User Installed)
	<b>700-911</b>	Foam-Filled Hard Carry Case
	<b>700-915</b>	SureGrip™ Cover
	<b>710-17025</b>	ISO 17025 Calibration Report

## Probes

Choose two of the following probes to make a probe set. Any combination is valid, but only one display probe can be used in a set (display probe must be connected to channel one).

- BKP** Standard Kelvin Probe
- BKDP** Standard Kelvin Display Probe
- BKEP** Big Kelvin Extended Probe, 700 Series
- MKP** Miniature Kelvin Probe
- MKDP** Miniature Kelvin Display Probe
- MCP** Miniature Kelvin Coaxial Probe
- MCDP** Miniature Kelvin Coaxial Display Probe
- KC** Kelvin Clip Leads

## BKDP Standard Kelvin Display Probe

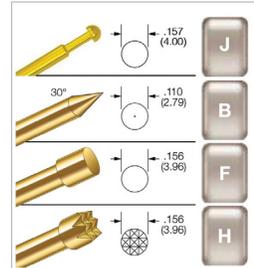


### BKP Probe with "B" Style Pins Installed



0.19"  
(4.8 mm)  
Pin Spacing

### BKP Pin Options

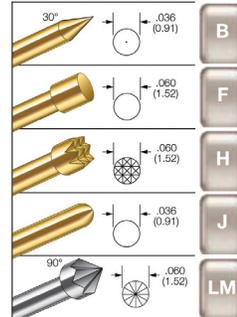


### MKP Probe with "B" Style Pins Installed



0.11"  
(2.8 mm)  
Pin Spacing

### MKP Pin Options



### MCP Probe



### BKEP-M2 Big Kelvin Extended Probe 700 Series



### KC Kelvin Clip Leads



### Ordering Information (continued)

Choose two of the following probes to make a probe set. Any combination is valid, but only one display probe can be used in a set (display probe must be connected to channel one).

Part #	Description
<b>Standard Kelvin</b>	
<b>BKDP-M2*</b>	Big Kelvin Display Probe, 700 Series
<b>BKDP-M2S*</b>	Big Kelvin Display Probe, 700 Series, Intrinsically Safe – AVAILABLE SOON
<b>BKP-M2</b>	Big Kelvin Probe, 700 Series
<b>BKP-M2S</b>	Big Kelvin Probe, 700 Series, Intrinsically Safe – AVAILABLE SOON
<b>BKEP-M2</b>	Big Kelvin Extended Probe, 700 Series
<b>Coaxial</b>	
<b>MCDP-M2*</b>	Miniature Coaxial Display Probe, 700 Series
<b>MCDP-M2S*</b>	Miniature Coaxial Display Probe, 700 Series, Intrinsically Safe – AVAILABLE SOON
<b>MCP-M2</b>	Miniature Coaxial Probe, 700 Series
<b>MCP-M2S</b>	Miniature Coaxial Probe, 700 Series, Intrinsically Safe – AVAILABLE SOON
<b>Miniature Kelvin</b>	
<b>MKDP-M2*</b>	Miniature Kelvin Display Probe, 700 Series
<b>MKDP-M2S*</b>	Miniature Kelvin Display Probe, 700 Series, Intrinsically Safe – AVAILABLE SOON
<b>MKP-M2</b>	Miniature Kelvin Probe, 700 Series
<b>MKP-M2S</b>	Miniature Kelvin Probe, 700 Series, Intrinsically Safe – AVAILABLE SOON
<b>Kelvin Clip</b>	
<b>KC-M2</b>	Kelvin Clip, 700 Series, 2m
<b>KC-M2S</b>	Kelvin Clip, 700 Series, 2m, Intrinsically Safe – AVAILABLE SOON
<b>KC-M5</b>	Kelvin Clip, 700 Series, 5m
<b>KC-M5S</b>	Kelvin Clip, 700 Series, 5m, Intrinsically Safe – AVAILABLE SOON

\*Patent Pending

## Accessories

- 700-915** SureGrip™ Cover
- 700-910** Tilt Stand / Magnetic / Hanger (Factory Installed)
- 700-912** Tilt Stand / Magnetic / Hanger (User Installed)
- 700-911** Foam-Filled Hard Carry Case



**700-915**  
SureGrip™ Cover



**700-910 or 700-912**  
Tilt Stand / Magnetic / Hanger



**700-911**  
Foam-Filled Hard Carry Case