

Accessories (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.

Model Number	Part Number	Description
Standard Kelvin		
BT-BKDP-M2*	101-04220	Big Kelvin Display Probe, 700 Series
BT-BKDP-M2S2S	101-04222	Big Kelvin Display Probe, 700 Series, Intrinsically Safe
BT-BKP-M2	101-04221	Big Kelvin Probe, 700 Series
BT-BKP-M2S	101-04223	Big Kelvin Probe, 700 Series, Intrinsically Safe
Coaxial		
BT-MCDP-M2*	101-04240	Miniature Coaxial Display Probe, 700 Series
BT-MCDP-M2S*	101-04242	Miniature Coaxial Display Probe, 700 Series, Intrinsically Safe
BT-MCP-M2	101-04241	Miniature Coaxial Probe, 700 Series
BT-MCP-M2S	101-04243	Miniature Coaxial Probe, 700 Series, Intrinsically Safe
Miniature Kelvin		
BT-MKDP-M2*	101-04260	Miniature Kelvin Display Probe, 700 Series
BT-MKDP-M2S*	101-04262	Miniature Kelvin Display Probe, 700 Series, Intrinsically Safe
BT-MKP-M2	101-04261	Miniature Kelvin Probe, 700 Series
BT-MKP-M2S	101-04263	Miniature Kelvin Probe, 700 Series, Intrinsically Safe
Kelvin Clip		
KC-M2	KC-M2	Kelvin Clip, 700 Series, 2m
KC-M2S	KC-M2S	Kelvin Clip, 700 Series, 2m, Intrinsically Safe
KC-M5	KC-M5	Kelvin Clip, 700 Series, 5m
KC-M5S	KC-M5S	Kelvin Clip, 700 Series, 5m, Intrinsically Safe

*Patent Pending

Handheld Bond Measurements

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

TRUST is an essential feature in any measurement tool and Barfield'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.

Barfield tools have been trusted by commercial and military operators world wide. Our new line of bond meters are ideal for airframe testing where technicians can take it anywhere on any type of application with ease. The unique low power techniques avoid the hassle of power cords or battery chargers. The BT-700/BT-700i 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 Barfield products, the 700 Series bond meters are designed, assembled and tested in the United States. Barfield backs this durable instrument with a **3-year warranty** to assure you that your investment is sound.

For over 50 years, Barfield has been building hand held instruments for challenging applications. Barfield'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.



COMMON FEATURES

- Superior Accuracy $\pm(0.2\% |rdg| + 0.02\% \text{ Range})$
- Widest Probe Selection
- Uncomplicated, Back-lit Display
- 100-Hour Battery Life (3AA)*
- Smallest and Lightest Bond Meter
- 3-Year Warranty
- Made in USA
- Model BT-700i: Intrinsically Safe

*Actual battery life depends on measurement range and frequency.

When the Measurement Matters, Be Certain with Barfield.

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
Basic Accuracy	±(0.2% Reading + 0.02% Range), 18 to 28 °C	
Connector Type	M12	
Display	4-Digit Auto-Ranging with Backlight and Function Annunciators	
Reading Rate	3 readings / sec.	
Battery Type	3 AA (IEC LR6, ANSI 15) Alkaline	
Battery Life	Standby: 100 hours; Operation @ 100 mA: 50 hours	
Operating Environment:		
Temperature	-10 to 55 °C	14 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 g ² /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)	303.2 g (10.7 oz.)	
Warranty	3 year Parts & Workmanship	
Included Accessories	3 AA Batteries, Quick Start Guide, Certificate of Traceability	

Ordering Information	Model Number	Part Number	Description
Bond Meters	BT-700	101-04200	Handheld Bond Meter
	BT-700i	101-04201	Handheld Bond Meter, Intrinsically Safe –
Optional Accessories	700-910	700-910	Tilt Stand / Magnetic/ Hanger (Factory Installed)
	700-912	700-912	Tilt Stand / Magnetic/ Hanger (User Installed)
	700-911	700-911	Foam-Filled Hard Carry Case
	700-915	700-915	Sure Grip Cover
	710-17025	710-17025	ISO 17025 Calibration Report

Accessories (continued)

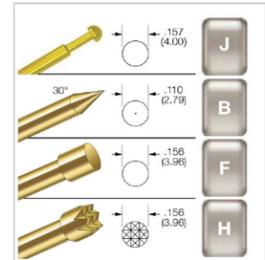
Choose two of the following probes to make a probe set. Any combination is valid, but only one display probe can be used in a set.

- KC** Kelvin Clip Leads
- BKP** Standard Kelvin Probe
- MKP** Miniature Kelvin Probe
- MCP** Miniature Kelvin Coaxial Probe
- 700-915** Sure Grip Cover

KC Kelvin Clip Leads

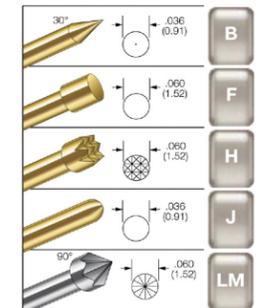


BKP Probe with "B" Style Pins Installed



BKP Pin Options

MKP Probe with "B" Style Pins Installed



MKP Pin Options

MCP Probe with "B" Style Pins Installed



BKP Pins with Smart Probe PN: 101-04220