

Wireless Datalogging Handheld Bond Meter

The only wireless portable bond meter assembled in the USA and features superior accuracy, 100–hour battery life, and a 3–year warranty.



INTEGRITY in measurement is essential when critical aircraft assemblies are inspected. Nothing ensures this more effectively than the BT-730 bond meter. It captures crucial readings and seamlessly connects them to any software system, from spreadsheets to QMS, without the integration headache. Advanced new tools that support iOS, Android, and Windows are available with each instrument. You may be skeptical about how truly easy it is. See for yourself that seamless data collection is possible without complicating workflow.

The new BT-700 Series models are also exceptional tools that you can **rely on every day** with confidence. **The BT-730** is manufactured by low-resistance measurement experts, the largest producer of bond meters for military and commercial airframe testing. This expertise is combined into the smallest size bond meter available. The innovative design uses low power techniques so that you don't have to deal with power cords or battery chargers. The BT-730 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 also critically important, so we offer a wide 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 instrument is designed for use with one of our unique **Display Probes** that can control the instrument while providing easy-to-read measurements at your fingertips. The second probe can be a Kelvin Clip or one of our other ergonomic tri-shape handle designs for easy access to multiple points.

The creative ergonomic housing 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 BT-730 and our other BT-700 series bond meters are designed, assembled, and tested in the USA. This durable instrument is backed with a **3–year warranty** to assure you that your investment is sound.

For over 30 years, our supplier has been building handheld instruments for challenging applications. The BT-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.

BARFIELD. Integrity. Teamwork. Adaptability. Customer focus.

FEATURES

- Wireless Link (Bluetooth LE)
- iOS/Android/Windows Support
- 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
- Assembled in USA

*Actual battery life depends on measurement range, frequency, and Bluetooth operation.

Prices and specifications subject to change without notice.

BT-730-909, Rev. A

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)	
Connector Type	M12	
Display	4½-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 in 10 mΩ range: 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	
Remote Operation	Android™, Apple Mobile Device Applications, Windows	
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	Description
Bond Meter	BT-730	Wireless Datalogging Handheld Bond Meter
Required Accessories	Probes/Tips	See separate sheet for probe and tip options
Optional Accessories *See product images on page 4	720-910 700-911 720-915 700-17025	Tilt Stand / Magnetic / Hanger (Factory Installed) Foam-Filled Hard Carry Case SureGrip™ Cover ISO 17025 Calibration Report

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