

The AMPTEC 620UK-B Bonding Milliohmmeter



The gold standard in ultra-safe bond testing.

The 620UK-B Bonding Milliohmmeter is a portable digital ohmmeter specifically designed for ultra-safe electrical bond testing. The safety of our bond testers is both UL-913 Intrinsically Safe and MIL STD 810 MTD 511 certified for use in fuel-filled environments. Now thanks to our additional independent ISO 9001:2015 certification, you'll know that we have a proven track record of the highest quality manufacturing standards.

The AMPTEC 620UK-B offers extremely accurate measurements at a realistic price point. We worked in tandem with Lockheed Martin to ensure a flawless design that fulfills aerospace maintenance wing needs. The 620UK-B is portable, weighing around 3 lbs., and conveniently locks your measurement on its display to allow for hands-free use. It's also compatible with a range of lead/probe sets and runs off widely available AA Duracell batteries.

The 620UK-B is part of a long lineage of intrinsically safe resistance testing equipment. We have over 20 years' experience creating highly accurate equipment that's built to last a lifetime. Every AMPTEC product is proudly made from start to finish in the USA and comes with a one-year warranty, plus an N.I.S.T calibration certificate with data at no extra cost.



The AMPTEC 620UK-B Bonding Milliohmmeter Datasheet

Model 620UK-B Range, Resolution, Accuracy, & Current Levels

Range	200 mΩ	2 Ω
Nominal Current	100 mA	100 mA
Resolution	0.01 mΩ	0.10 mΩ
Accuracy	± 0.05% of reading & range	± 0.05% of reading & range

Model 620UK-B General Specifications

Display	4 ½ digit LCD display	Dimensions	7.69" x 7.56" x 3"
Input Voltage	250 VDC maximum	Internal Voltage	6 VDC maximum
Low Battery	Display shows LO BAT	Open Circuit	5 VDC
Overrange Indication	Display shows >>>OR	Terminal	Male 5-pin trident connector
Temperature Coefficient	± 0.0025% per 1° C	Temperature Limit (Operating)	0° to 50° C
Temperature Limit (Storage)	-40° to 75° C	Update Rate	3 readings per second
Weight (Unit Only)	3.2 lbs.	Weight (Unit In Case)	4 lbs.

Model 620UK-B Power Specifications

Batteries	4ea AA 1.5 VDC alkaline batteries	Battery Brand	Duracell MN1500
Battery Box	F.O.D. resistant aluminum		

See the following page for a complete list of ordering information and compatible accessories.

AMPTec 620UK-B Bond Tester Ordering Information

The below is a comprehensive list of every available AMPTec brand accessory that is compatible with the 620UK-B Bond Tester. Please contact us for pricing or questions about ordering a custom accessory.

General 620UK-B Ordering Information

SKU	Description
620UK-B NSN PACKAGE	Bond tester, 630-100 padded case, 630-406S probes, N.I.S.T. calibration certificate

620UK-B Compatible Accessories

SKU	Description	Notes
311-TRI	Trident to Reynolds connector adapter	
600-PC	Pelican case with custom die cut foam for test lead storage	
600-PG	5' Dual pistol grip probe set	
600-PRO	5' Compass probe & Kelvin jaw/clamp set	
600-PROX2	5' Dual compass probe set	
630-BNC	Trident to BNC connector adapter	
630-100	Padded case for 620UK-B meter	One is provided with unit upon purchase
600-401C	5' Dual single point Kelvin probe & dual Kelvin jaw/clamp set	
630-300	5' Gold plated Kelvin clip lead set	
630-304	4-Wire banana jack test lead set (for unit calibration)	
630-304G	Version of 630-304 lead set with ground terminal	
630-305	Twin single banana jack test lead set	
630-309	5' Leads with junction box	
630-310	5' Leads with open termination (to install your own custom ends)	
630-401	Single point handheld Kelvin probes	
630-PG-401	Pistol grip version of 630-401 probe set	
630-403	5' Mini spear probe set	
630-403R	Version of 630-403 probe set with round tips	
630-405K	10' Spiked Kelvin probe set	
630-405S	10' Spear Kelvin probe set	
630-406S	5' heavy duty spear Kelvin probes	One is provided with unit upon purchase
630-408J	10' Kelvin jaw/clamp lead set	
KIT8268	Set of 601-401C probes, 600-PROC probes, 600-PG probes, 600-PROX2 probes, and 630-403 probes in a heavy-duty pelican case	