

T477W Bonding Meter

NSN 6625-01-119-7023 • 6625-01-469-6626

The Model T477W Bonding Meter is a self-contained AC resistance meter specifically designed to test very low resistance electrical bonds.

Ideal for aircraft system bonding testing. The unit is contained in a protective carrying case complete with the C22161 pistol grip probe set, battery charger, and operator's manual.

Power is obtained from a rechargeable battery pack. Battery capacity is adequate for eight (8) hours of continuous operation. Power is conserved by a 52 second timer which automatically powers down the display. Operation and display are initiated by depressing the TEST button. Built-in display illumination provides for use at nighttime or with inadequate ambient light. These features allow high accuracy and simplified set-up.

- UL Approved. Std. 913, Cl. 1, Groups A, B, C, or D
- Intrinsically Safe
- Battery Powered
- Liquid Crystal Display
- Pistol Grip Probe Set (C22161)



The low voltage and current output will not cause ignition of flammable gas, as certified by Underwriters Laboratories per UL 913, standard entitled "Intrinsically Safe Apparatus and Associated Apparatus, for use in Class I, II, and III, Division I Hazardous Installation." The meter is approved for use in Class I, Groups A, B, C, or D, which includes hydrogen and gasoline flammable vapors.

The Model T477W Bonding Meter is designed to accurately measure resistance, less than 2.0 ohms, as required by electrical bonds. The unit is approved for use in hazardous environments such as around aircraft, fuel installations, fuel cells, and gas systems.

Four resistance ranges are provided for measurement sensitivity. These are 2, 20, 200 and 2000 milliohms full scale. Operation of the TEST button automatically changes the range to the next highest range each time it is depressed. Continued operations of the TEST button re-cycle the range changes.

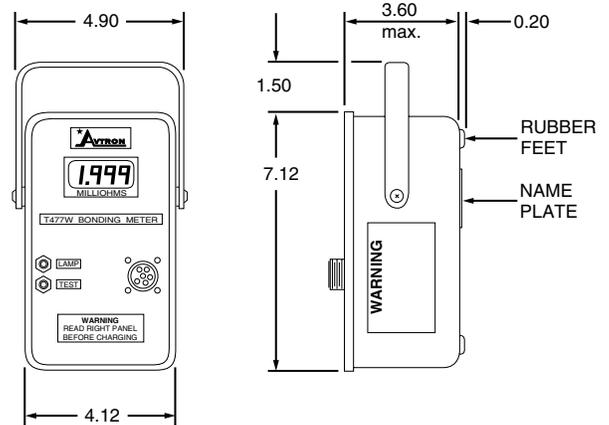
Resistance measurements are made using a pistol grip probe connection. The pistol grip probe set (P/N C22161) is easy to use with convenient pistol grips for firm control and needle points for sure penetration of surface coatings. This probe set is also easy to use in tight areas such as around wing tanks.

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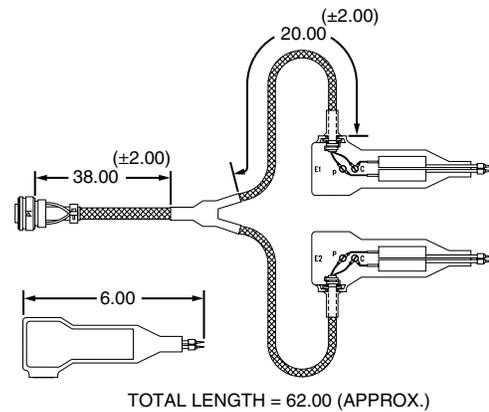


DIMENSIONS

T477W Bonding Meter



Probe (C22161)



SPECIFICATIONS

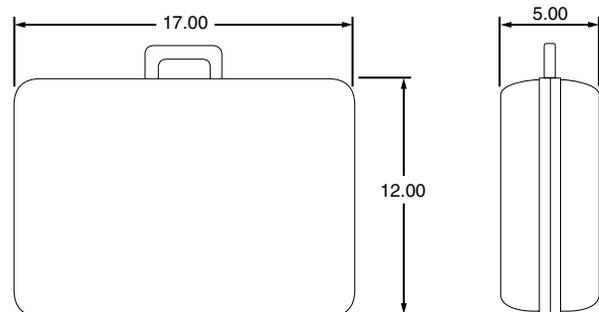
Display:	Digital Liquid Crystal
Basic Accuracy:	$\pm 1\%$ of Reading
Sensitivity:	3 1/2 Digits (i.e. ± 0.001 of Rdg)
Ranges:	0 to 1.999 Milliohms 0 to 19.99 Milliohms 0 to 199.9 Milliohms 0 to 1999. Milliohms
Output:	0.1 VAC max. or 200 mA AC max.

ACCESSORIES

Interchangeable **Probe Sets C15478, C15479, C15480, and C16695** are also available for purchase. Each interchangeable probe set sold separately.

K777 (P/N C15923) Calibration Test Fixture provides a convenient method of conducting a field performance check of the T477W Bonding Meter. This optional calibration standard is available for purchase but sold separately.

Carrying Case



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*Specifications and features are subject to change without notice.
All dimensions are in inches.*