



Quick and easy resistance measurements in a small package. The 871 is an Autoranging Resistance Meter that measures values ranging from Ohms to Tera-ohms. Understanding resistance characteristics is an increasingly important endeavor in environments where the buildup and dissipation of static charge is of concern. The 871 is compatible with our expansive set of probe offerings capable of obtaining readings from almost any surface and or material. Meeting all relevant ESDA, ASTM, EIA, SAE, DOD, and international IEC, CECC specifications, the 871 is truly is the one stop solution for obtaining the resistance insight you value.

Applications

- Electronic Packaging
- Clean Rooms
- Medical Equipment
- Plastic Formulation
- Military Testing
- R&D Materials
- Textile Applications
- Hazard Control
- Materials Engineering

Key Features

- Highly accurate, easy to use package
- Measurement range:
 $1 \times 10^2 - 1 \times 10^{11} \Omega$ @ 10V
 $1 \times 10^5 - 1 \times 10^{12} \Omega$ @ 100V
- Accuracy:
 $\pm 2\%$, $10^2 - 10^9 \Omega$
 $\pm 5\%$, $10^9 - 10^{12} \Omega$
- Autoranging
- COMM Port for digital recording of data
- Battery or AC Powered
- Compatible with most resistance probes

D00677B



Wide Range Resistance Meter

Model 871

Specifications

Measurement range:

$1 \times 10^2 - 1 \times 10^{11} \Omega$ @ 10V

$1 \times 10^5 - 1 \times 10^{12} \Omega$ @ 100V

Test voltage:

10 & 100V $\pm 5\%$

Voltage Select:

Manual

Resolution:

± 0.01

Accuracy:

$\pm 2\%$ @ $10^3 - 10^9 \Omega$; $\pm 5\%$ @ $10^9 - 10^{12} \Omega$

Display:

2-line LCD alphanumeric

Backlite OFF with battery pwr.

Backlite ON with AC Adaptor

Connectors:

Measuring Probe:

0.161" (41mm) Banana jacks

Ve (Red), SENSE (Blk), GND (Grn)

Ground 0.161" (41mm) Banana jack

Foot switch:

.13" (3.5mm) to Center pin

COMM PORT:

9-pin D-sub RS232:

3' (92cm) 3-cond., shielded, Teflon™

Power:

2x9 V Alkaline batteries

Warranty: One (1) Year – Parts & Labor

To ensure consistent and valid results annual calibration is required

Contact: service@ets2.com for assistance.



Specifications subject to change without notice.

