



Perform quick and easy resistance measurements with this compact, battery/AC powered instrument.

Resistance characterization is a critical parameter for products used in applications and environments where the buildup and dissipation of static charge is of concern. The ETS Model 871 highly accurate, autoranging resistance meter measures values ranging from Ohms to Teraohms using specified test voltages of 10 and 100 Volts.

The Model 871 is compatible with the expansive line of ETS resistance probes plus other probes that utilize the standard banana plug interface to obtain readings from virtually any surface or object. Meeting all relevant ESDA, ASTM, EIA, SAE, DOD, and international IEC, CECC specifications, the Model 871 is the instrument for obtaining precision resistance measurements.

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 all resistance probes with standard 4mm banana plug interface

D00677B





Wide Range Resistance Meter

Model 871

Specifications

Measurement range:

1x10² - 1x10¹¹ Ω @ 10V
1x10⁵ - 1x10¹² Ω @ 100V

Test voltage:

10 & 100V ±5%
Voltage Select: Manual

Resolution:

±0.01

Accuracy:

±2% @ 10³ - 10⁹ Ω; ±5% @ 10⁹ - 10¹² Ω

Display:

2-line LCD alphanumeric
Backlite OFF with battery power.
Backlite ON with AC Adaptor

Connectors:

Probe Connections: 0.161" (4mm) Banana jacks
Ve (Red), Sense (Blk), Signal Ground (Grn)
Earth Ground 0.161" (4mm) Banana jack
Probe Cable: 3' (92cm) 3-cond., shielded, Teflon™

[Works with all ETS 800 Series Probes](#)

Foot switch:

0.13" (3.5mm) to Center pin

COMM PORT:

9-pin sub-D, RS232:

Power:

2 x 9 V Alkaline batteries
AC Adapter 90-250VAC, 50/60 Hz, 18 VDC

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.

