

Autoranging Resistance Indicator Model 880



Electrostatic
Instrumentation



A compact affordable, resistance indicator.

ETS's 880 is a hand-held unit that delivers quick and easy resistance checks over a wide range, automatically applying the appropriate test voltage of 10 or 100 Volts. The Model 880 includes built-in parallel bar electrodes for direct measurement of any flat surface or sample such as flooring and table tops. It can easily be interfaced with other ETS probes for measurement of non-flat parts. The ETS Model 880 the complete solution for quickly measuring packaging, flooring, table tops, seating or any other material or object including curved & non-flat objects for resistance compliance.

Applications

Direct Model 880 measurement:

- Flat Surfaces
- Flooring
- Table tops

Using optional ETS probes:

- Irregular parts
- Uneven Surfaces

Key Features

- Autoranging from 10^3 to $10^{12} \Omega$
- Test voltage automatically selected: 10 or 100V based on range.
- Built in parallel bar electrodes
- Input jacks for auxiliary probes
- 10% measurement accuracy
- Resistance-to-ground cable included
- Battery powered, single 9V battery
- Portable, handheld, with carrying case
- Featured in ETS Model 818 & 2004 kits
- Kit 818 Resistant Testing 880 Meter, Two 850 Probes, Cables

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Questions? Here's how to contact our experts

☎ 833-ESD-GURU (833-373-4878)



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Autoranging Resistance Indicator Model 880

Specifications

Range:

10^3 to $10^{12} \Omega$

Range Select:

Automatic

Test Voltage:

10V for 10^3 to $10^5 \Omega$

100V for 10^6 to $10^{12} \Omega$

Accuracy:

$\pm 10\%$ of mean value

Power:

9 Volt alkaline battery (Qty 1)

Low battery indicated by blinking LED.

Controls:

TEST button initiates a reading

Display:

12 - 2mm LEDs

Conductive range:

$<10^3$ - 10^5 (Green Indication)

Dissipative range:

10^6 - 10^{11} (Yellow Indication)

Insulative range:

10^{12} and above (Red Indication)

Built-in Electrodes:

Parallel bars 2.5" (64 mm)

External Electrode Input:

(2) Banana jacks. 161" (4 mm)

Jacks disconnect the bar electrodes.

Dimensions:

5.0" x 2.5" x 1.1" (130 x 65 x 28 mm)

Weight:

8.3 oz (230 gm)

Warranty: One (1) Year Parts & Labor

Available Probe Systems

(Not included with the Model 880)

Model 832

Clamp Electrode probe

Model 841

Concentric Ring probe, .875" diameter

Model 842

Concentric Ring probe, 1.5" diameter

Model 844

Two-point probe, .25" spacing

Adapters & Cables

BNC or Banana connections

Display

One LED is devoted to each order of magnitude (power of 10 or decade) resistance range to provide a quick visual indication. If an LED is on, this indicates the resistance is nearest the range shown. Two adjacent LEDs on indicates the resistance is between the two ranges.

Examples: If the 10^8 LED is on, this indicates a resistance closest to 1×10^8 . If 10^8 and 10^9 are on, this indicates closest to 3.2×10^8 .

This system provides 23 distinct indications. All ranges are calibrated at the ETS test laboratory to meet the 10% accuracy specification.

To ensure consistent and valid results annual calibration is required

Contact: service@ets2.com for assistance.



Specifications subject to change without notice.