

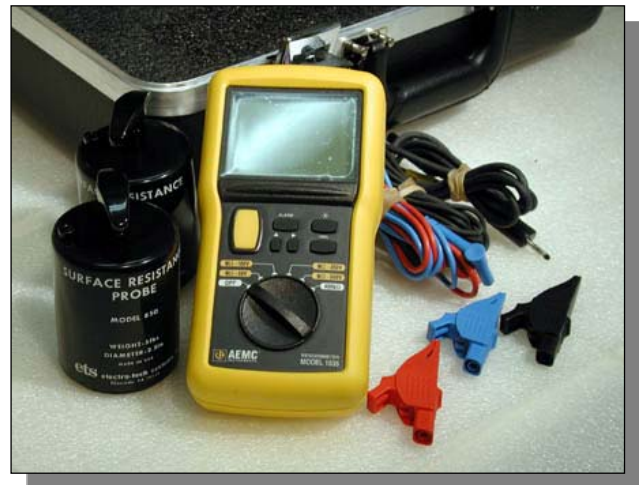
FLOORING/WORK SURFACE RESISTANCE AUDIT KIT

Model 2003

Portable instrumentation plus industry standard test probes for measuring resistance of floors, work surfaces, seating etc.

Features:

- Resistance from $<1\Omega$ to $2 \times 10^{10}\Omega$
- V_E : 7-9, 50, 100, 250 & 500V
- Digital plus analog bar-graph display
- Industry standard test probes
- Conductive rubber contact electrodes
- RH/Temp/Dew Pt. Indicator
- Rugged ABS carrying case
- Tests to ASTM, NFPA, ESDA, CECC & Military standards



Applications:

Electrostatic discharge (ESD) is a major concern when handling sensitive electronic components or hazardous materials. Many industry and military specifications require ESD control floors, work surfaces, seating, material handling equipment etc. to be periodically audited for conformance to various ESD standards.

The ETS Model 2003 Flooring/Work Surface Audit Kit provides the necessary instrumentation and probes to perform all specified Point-to-Point and Resistance-to-Ground measurements. The 100 Volt test voltage meets all ESDA standards while the 500V test voltage meets all ASTM, NFPA, CECC and Military standards. The included Model 5646 Humidity/Temperature/Dew Point Indicator provides ambient condition information required by most specifications.

The Kit's measurement capability can be expanded by the addition of an ETS Model 803B concentric ring Resistance/Resistivity Probe or other probes and test fixtures to meet virtually any resistance measurement requirement.



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Description:

The Model 2003 Flooring/Work Surface Resistance Audit Kit comes complete with an AEMC Model 1035 Digital/Analog Megohmmeter and a pair of ETS Model 850 Surface Resistance Probes with 5 lb/2.5" diameter (2.2kg/64mm) conductive rubber electrodes that meet the requirements of ESDA STM 4.1, plus an ETS Model 5646 Humidity/Temperature/Dew Point Indicator, Model 256 AC Wiring Verifier with standard banana jack to electrical ground and all necessary contact plates and cables housed in a rugged ABS carry case. Also included are NIST certificates of calibration and a comprehensive manual.

The meter is capable of measuring over the range 2×10^4 to 2×10^9 Ohms using a test voltage of 100V and from 1×10^5 to 2×10^{10} Ohms using 500V. Resistance below 4×10^5 Ohms is measured using 7-9V. When necessary, this range is used in lieu of the specified 10V. Overall measurement accuracy is $\pm 3\%$ of reading. A 2"x3" (54.3x73mm), 34-segment electroluminescent display features both digital and analog bar graph readouts for resistance plus alarm, function and fault displays. Either lower or upper alarm thresholds can be programmed. The supplemental audible indicator can be switched on or off.

The Kit's versatility can be expanded to measure the resistance and/or resistivity of material with the addition of appropriate probes, electrodes or fixtures. The Humidity/Temperature/Dew Point Indicator provides accurate measurement of the test environment. The wiring verifier provides both a positive connection to electrical ground via the standard banana jack and verification of the AC electrical wiring of the outlet (North American 120VAC Standard only).

Specifications:

Megohmmeter:

Ranges:

0 - $4 \times 10^5 \Omega$ @ 7-9V
 1×10^4 - 2×10^9 @ 50
 2×10^4 - 2×10^9 @ 100
 5×10^4 - 2×10^{10} @ 250
 1×10^5 - 2×10^{10} @ 500

Display: 34-segment LCD with backlight

Accuracy: $\pm 3\%$ of reading plus 5 counts
(function of range selected)

Readout: 3½-digit & analog bar graph

Power: 6x1.5V, AA Alkaline Batteries

Life: >3500, 5 sec. tests

Size: 8.3"x4.25"x2.36" (211x108x60mm)

Weight: 1.8-lb (830gm)

Certification: CE Mark

Probes:

Weight: 5 lbs ± 2 oz (2.2 ± 0.3 kg)

Electrode: 2.5" ± 0.061 " Dia. (63.5 ± 1.5 mm)

Contact: Carbon-loaded silicone rubber

Hardness: 65 Shore-A Durometer

Resistance: $< 100 \Omega$ @ 10V

Connector: Std. 0.161" (4mm) Banana jack

RH/Temperature/Dew Pt. Indicator:

RH Range: 5-95%, $\pm 3\%$ RH

Temp Range: 32-122 $\pm 4^\circ$ F (0-50 $\pm 3^\circ$ C)

Certification: CE Mark

Warranty: One (1) Year

Specifications are subject to change without notice.

12/07