

Trek Model 1501

Surface Resistance Meter



The Model 1501 surface resistance meter is a hand-held, lightweight, auto ranging surface resistance tester. Built-in electrodes with conductive rubber make good contact with the object under test. Measured values are displayed on an LCD dot matrix module and can be stored in the internal memory. Each measurement includes the current temperature and relative humidity. Model 1501 software (included) provides easy access, display and export of data collected. Data can be exported to a .CSV file or displayed as an HTML report in an easy to read chart for data comparison. Appropriate electrodes can be externally connected for tests according to IEC 61340-4-1, IEC 61340-2-3 and IEC 61340-4-5, ANSI/ESD S4.1-2006, ANSI/ESD STM11.11-2006, ANSI/ESD STM11.12-2007, ANSI/ESD STM11.13-2004, ANSI/ESD 12.1-2006, ANSI/ESD STM 97.1-2006.

Typical Applications Include

- Measuring surface resistance on a variety of conductive, dissipative, and insulative materials
 - Footwear
 - Worksurfaces
 - Flooring and flooring materials
 - Packaging
- Two point resistance measurements

Model 1501 Specifications

Measuring Range	Display Range	Resolution	Accuracy
$10^3\Omega$	1×10^3 to 9×10^3	1 k Ω	10% reading
$10^4\Omega$	1×10^4 to 9×10^4	10 k Ω	10% reading
$10^5\Omega$	1×10^5 to 9×10^5	100 k Ω	10% reading
$10^6\Omega$	1×10^6 to 9×10^6	1 M Ω	10% reading
$10^7\Omega$	1×10^7 to 9×10^7	10 M Ω	10% reading
$10^8\Omega$	1×10^8 to 9×10^8	100 M Ω	10% reading
$10^9\Omega$	1×10^9 to 9×10^9	1 G Ω	10% reading
$10^{10}\Omega$	1×10^{10} to 9×10^{10}	10 G Ω	25% reading
$10^{11}\Omega$	1×10^{11} to 9×10^{11}	100 G Ω	25% reading
$10^{12}\Omega$	1×10^{12}	1 T Ω	25% reading

General

Power supply	Rechargeable Lithium Battery 3.6 V 900 mAh
Operating Conditions	-5°C to 40°C Up to 75% relative humidity non-condensing
Test voltage (open circuit)	100 V
Memory	9801 measuring values
PC interface	USB 2.0
Connectors	2 banana sockets - short version (15mm)
Dimensions	145 mm H x 80 mm W x 35 mm D (5.7" H x 3.1" W x 1.4" D)
Weight	290g (.63 lb)

Accessories

Operators Manual w/ Software	pn: 24022
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