S460+ Micro-ohmmeter



FEATURES

Four-wire measurement, up to 2 A
Minimum resolution: 0.01 mΩ (10 μΩ)
900-record memory with USB data export
Adjustable audible resistance alarm
Wire length calculation using a reference sample
3.5-inch color LCD and rechargeable battery



SPECIFICATIONS

Function	Equipotential bonding, contact and joint resistance testing Switch contacts, busbar joints, welded and riveted joints, shunts and battery connections
Power	7.4 V, 3 Ah rechargeable lithium-ion battery Approx 300 measurements per full charge
Test Current	Up to 2 A
Measurement Method	Precision four-wire method
Display	3.5-inch color LCD
Measuring Range	0.01 mΩ to 100 kΩ
Minimum Resolution	0.01 mΩ (10 μΩ)
Accuracy	0.01 mΩ to 10.0 Ω: ±2% ±5 dgt 10.0 Ω to 100 kΩ: ±1.5% ±5 dgt
Wire Length Measurement	Up to 100 km, based on the resistance of the full wire and a known-length sample of the same wire
Reference Wire Length	1 m to 99 m
Test Terminals	I+: current positive, I-: current negative V+: voltage positive, V-: voltage negative
Measurement Time	Approx 3 s for ordinary resistors For transformer windings, measurement continues until stable
Data Storage	900 records, retained after power loss or battery replacement
Automatic Shutdown	Approx 15 minutes without key operation

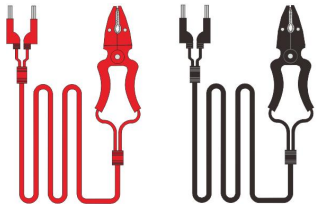
SPECIFICATIONS

Alarm Setting	0.1 mΩ to 100.0 kΩ, set 0 to disable Alarm is disabled at each power-on
Alarm Indication	Audible alarm when the measured resistance exceeds the set threshold
Data Hold	HOLD freezes the reading and stores the result
Test Leads	Two 5 m leads, one red and one black
Instrument Dimensions	207 mm × 101 mm × 45 mm
Total Weight	Approx 3.4 kg, including packaging and test leads
External Voltage Warning	Visual and audible warning when external voltage is detected Do not continue measurement while the warning is active
Overrange Display	'OL' indicates a resistance above the measuring range
Low Battery Indication	Low-battery icon appears at approx 6.8 V, recharge promptly
Operating Conditions	-10 °C to 40 °C, below 80% RH
Storage Conditions	-10 °C to 60 °C, below 70% RH
Supplied Charger	8.4 V, 1 A
USB Data Export	Upload stored readings to a PC for saving and printing using the monitoring software
Withstand Voltage	AC 3700 V RMS, between the front and rear ends of the housing
Safety Standards	IEC 61010-1











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