

S480A 4 Terminal Earth Tester



FEATURES

High resolution of 1mΩ, ideal for ground systems
Portable
4 terminal method
Testing range : 0.000Ω to 200.0kΩ
Automatic range selection
Resolution : 0.001Ω
Soil resistivity measurement



SPECIFICATIONS

Functions	Grounding resistance, soil resistivity test; grounding voltage, AC voltage test
Power	DC 12V (8 x 1.5V)
Backlight Brightness	Adjustable backlight, suitable for dark environments
Measurement Mode	Grounding Resistance (4 terminal, 3 terminal and 2 terminal), soil resistivity
Measurement Method	Earth Resistance: pole-changing method, rated current : 20mA Max
	Soil Resistivity: 4-pole measurement (Wenner method)
	Earth Voltage Test: Average rectification (between P(S)-ES)
Measurement Range	2\3\4 terminal method for measuring ground resistance (R): 0.000Ω to 200.0kΩ
	Soil resistivity (ρ): 0.000Ωm to 9999kΩm
	Grounding voltage: AC 0.001V to 600.0V (50Hz/60Hz)
Max. Resolution	2\3\4 terminal method for measuring ground resistance (R): 0.001Ω
	Soil resistivity (ρ): 0.01Ωm
	Grounding voltage: 0.001V
Accuracy (26°C ± 3°C, Below 70%RH)	2\3\4 terminal method for measuring ground resistance (R) : 0.000Ω to 200.0kΩ 1. 0.000Ω to 10.00kΩ : ±2%rdg±5dgt 2. 10.0K to 100.0kΩ : ±3%rdg±5dgt 3. 100.0K to 200.0kΩ : ±3.5%rdg±5dgt Note : if the interference is more than 5v, then the accuracy decreases ≤± 5%-RDG ±5dgt
	Soil resistivity (ρ): depends on R's accuracy (ρ=2πaR (a: 1 m to 100m); π=3.14)
	Grounding voltage : ±2%rdg±5dgt (50Hz/60Hz)

Measured Voltage Waveform	Sine wave
Measuring Frequency	412Hz, 825Hz, 1280Hz (automatic selection)
Short Circuit Current	AC 20mA max
Open Circuit Voltage	AC 90V max



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