

S470A 3 Terminal Earth Tester



FEATURES

2 and 3 terminal testing
Resolution of 0.001Ω
Simple one-button operation
Portable, Handheld
Range: 0.000Ω to 200KΩ



SPECIFICATIONS

Functions	Grounding resistance, grounding voltage, and low value resistance measurement
Power	12V DC (8 No.2 dry batteries)
Backlight	Controllable white screen backlight, suitable for dark places
Measure Mode	Precise 3-wire method and simple 2-wire method are used to measure the grounding resistance
Measure Method	Grounding resistance measurement: rated current pole-changing method
	Voltage to ground: average commutation (between P-E interface)
Measure Range	Ground resistance: 0.000Ω to 200KΩ
	Ground voltage: AC 0.000V to 600V(50Hz/60Hz)
Resolution	0.001Ω; 0.001V
Accuracy (26°C ± 3°C, Below 70%RH)	2\3 wire method to measure grounding resistance (R):
	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: When the interference voltage is 5V the additional error is ≤±5%rdg±5dgt
	Ground voltage: ±2%rdg±5dgt (50Hz/60Hz)
Measured Voltage Waveform	Sine wave
Measure Frequency	412Hz, 825Hz, 1280Hz
Measure Current	0.001Ω to 200.0Ω range: about 20mA constant current
	200Ω to 10.00KΩ range: about 3.0mA constant current
	10.0KΩ to 200.0KΩ range: about 0.25mA constant current
Open Circuit Measured Voltage	AC 90V max
Display	Extra-large LCD display
Measuring Indication	LED flickers testing, and there is also an LCD count down display
Dimension	Host: 266mm × 220mm × 90mm
	Package: 315mm x 210mm x 275mm

Test Leads	3 in total:red 15m, yellow 10m, green 5m
Simple Test Leads	2 in total:red 1.6m, green 1.6m
Auxiliary Ground Rod	2 pcs: $\phi 10\text{mm} \times 200\text{mm}$
Measurement Rate	Voltage to earth: about 2 times/sec
	Ground resistance: about 5 sec/time
Number of Measurements	Above 5000 (in short circuit test, after each test stop for 30 seconds before test again)
Circuit Voltage	Below AC 600V
Data Hold	The "HOLD" symbol indicates when holding data
Data Storage	300 sets, "HOLD" indicates storing, "FULL" indicates full storage
Data View	The "READ" symbol indicates when reviewing data
Interference Test	It can recognize interference signal automatically. "NOISE" displays on LCD screen when interference voltage exceeds 5V
Alarm Warning	When the measured value exceeds the pre-set value, an alarm "beep" will be emitted
Automatic Shutdown	15-minute of no operation, it will shut down automatically
Power Consumption	Backlight:25mA Max (backlight consumption alone)
	Standby:35mA Max (backlight off)
	Measuring:150mA Max (backlight off)
Weight	Device:approx. 1.55kg (battery included)
	Total:approx. 4.12kg (package included)
Overvoltage Protection	Between C-E ports AC 600V
	Between P-E ports AC 600V
	Between P-C ports AC 600V
Insulation Resistance	Between test line and the sheath >500M Ω
Withstand Voltage	AC 10.0kV/50Hz 1min
Electromagnetic Feature	IEC61326(EMC)
Safety Standards	IEC61010-1(CAT III 300V, CAT IV 150V, Pollution class 2); IEC61010-031; IEC61557-1(ground resistance); JJG 366-2004 (ground ohmmeter)



SALES OFFICE

Email: sales@eaglotest.com

Tel: +86 020 31529626

Add: Building 4, No.18 Keyuan Road,
Baiyun District, Guangzhou, Guangdong, China

S470A 3 Terminal Earth Tester

www.eaglotest.com
Eaglotest Technology