

S470 3 Terminal Earth Tester



FEATURES

2 and 3 point testing
Resolution of 0.001Ω
Simple one-button operation
Rugged carry case
FFT and AFC technology
Ground resistance:0.000Ω to 200KΩ



SPECIFICATIONS

Functions	Grounding resistance, grounding voltage, and low-value resistance measurement
Power	11.1V DC, 2600mAh
Measuring Mode	Three terminal and two terminal methods to measure grounding resistance
Measuring Method	Earth resistance:rated current pole-changing method, Earth voltage:average rectification(between P(S)-ES)
Measuring Range	Ground resistance:0.000Ω~200KΩ Grounding voltage:0.000V ~600V (50Hz/60Hz) AC
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 Grounding voltage:±2%rdg±3dgt (50Hz/60Hz)
Measured Voltage Waveform	Sine wave
Measuring Frequency	412Hz, 825Hz, 1280Hz
Measuring Current	0.000Ω to 100.0Ω range:about 20mA constant current 100Ω to 10.00KΩ range:about 3.0mA constant current 10.0KΩ to 200.0KΩ range:about 0.25mA constant current
Open Circuit Measuring 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: 320mm×275mm×145mm Package: 355mm×235mm×325mm

Standard Test Leads	3 in total:red 15m, yellow 10m, green 5m
2T-Test Leads	2 in total:red 1.6m, green 1.6m
Auxiliary Grounding Rod	2 pcs:approx. $\phi 10\text{mm} \times 200\text{mm}$
Measurement Rate	Ground voltage:approx. 2 times/sec
	Ground resistance:approx. 7 sec/time
Communication Wire	1 USB communication wire, length 1.5m
Data Hold	The "HOLD" symbol indicates data is kept
Data Storage	300 sats, "FULL" Indicates that the storage is full
View Data	"READ" symbol will be displayed when browsing saved data
Interference Warning	The instrument will automatically identify interference signals, when the interference is above 5V, then the "NOISE" icon will be displayed
Alarm Warning	When the measured value exceeds the pre-set value, an alarm "beep" will be emitted
Power Consumption	Standby:35mA max (backlight off);
	Backlight:25mA Max (only backlight consumption);
	Measurement:150mA max (backlight off)
Weight	Host:approx. 2.7kg (including battery)
	Total:approx. 5.3kg (including package)
Toolbox	The military toolbox is designed to support pressure 200kg
Overload Protection	Ground resistance measurement: C-E, P-E between each port AC 600V
Insulation Resistance	20M Ω above (between circuit and shell 500V)
Withstand Voltage	AC 3700V/RMS (between circuit and shell)
Safety Standards	IEC61010-1(CAT III 300V, CAT IV 150V, pollution class 2; IEC61010-031; IEC61557-1 (ground resistance); IEC61557-5 (soil resistivity); JJG 366-2004(ground resistance meter)



SALES OFFICE

Email: sales@eaglotest.com

Tel: +86 020 31529626

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

S470 3 Terminal Earth Tester

www.eaglotest.com
Eaglotest Technology