S710 Online Earth Resistance Tester



FEATURES

Online Earth resistance testing
Low resistance testing
3 terminal or 2 terminal measurements
Compatible with MODBUS & RS485 protocol

SPECIFICATIONS

Function	Online monitoring of grounding resistance, grounding voltage, equipotential bonding resistance, low-value resistance, etc.
Power	Standard：12V±1VDC, 150mA Max. Optional：24V±1VDC
Test Method	Three-wire measurement; two-wire measurement
Measurement Method	Electrode method with measurement current 3mA Max, 820Hz；
Display Mode	12864 OLED
Data Mode	average value
Size of LED	34.5mm×23.0mm；Display Area：29.42mm×14.7mm
Measurement Range	Resistance：0.01Ω to 2000Ω Voltage：0.1V to 600.0V
Resolution	Resistance：0.01Ω Voltage：0.1V
Test Accuracy	Resistance：±1%rdg±5dgt Auxiliary ground resistance100Ω±5% Ground Voltage＜10V Voltage：±2%rdg±5dgt
Over Measurement Range	OL
Size of Instrument	Appro 117mm*62mm*88mm
Size of Outer Package	Appro 117mm*62mm*88mm
Weight	Appro 230g
Line Voltage	Ground Voltage：Below AC 600V
Test Duration	Appro 30 second/time
Test Times	Above 20000 Measure resistance less than 10Ωonce, stop for 30 seconds and measure again)
Instrument Terminal	Screw Terminal
communication method	RS485, providing MODBUS protocol for secondary development

Gear Shift	Automatic shift
Power Consumption	Standby: 7mA Max; Measure: 40mA Max
Working Temperature and Humidity	-10°C to 40°C；Below 80%rh;
Storage Temperature and Humidity	-20°C to 60°C；Below 70%rh
Overload Protection	Grounding resistance: AC 280V/3 seconds between E-P and E-C ports
Insulation Resistance	Above 10MΩ, 500V between circuit and case
Withstand Voltage	AC 3700V/rms between circuit and case
EMC	IEC61010-4-3 Radio Frequency Electromagnetic Fields≤1V/m
Safety Regulation	IEC61010-1(CAT III 300V, CAT IV 150V, Pollution Level 2)； IEC61010-031；IEC61557-1(Grounding Resistance)；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

S710
Online Earth Resistance Tester

www.eaglotest.com
Eaglotest Technology