



PRODUCT FUNCTION

- Suitable for measuring the resistance values of various insulating materials and the insulation resistance of transformers, motors and electrical equipment, etc.
- Insulation Resistance Test (IR); Polarization Index Test (PI); Dielectric Absorption Ratio Test (DAR); AC / DC Voltage Test (V).

PRODUCT FEATURES

- The insulation resistance value, test time, and output voltage test data can displays on the same screen. It is very convenient for test operation and historical record query.
- It has unique strong anti-interference technology, with stable testing capability in scenarios with large distributed capacitance (such as long cables) and strong electromagnetic interference environments (such as substations).
- Complete measurement indicators: Insulation Resistance (IR), Polarization Index (PI), Dielectric Absorption Ratio (DAR), AC / DC Voltage (V).
- It is automatic discharge function can automatically and quickly releases the charging charge of the measured object after testing, without an additional discharge circuit.
- The test records can be directly browsed and analyzed on the large-capacity test record memory. It can automatically store 600 groups of real-time test data with test timing.
- The test records can be uploaded to computers for data storage, statistics and analysis by USB communication and upload function.
- The bluetooth communication function can upload the test results to mobile phones.

TECHNICAL SPECIFICATION

Model	EM3490	EM3490B
Power Supply	DC11.1V, 2600mAh rechargeable lithium battery	
Rated Voltage Range	250V,500V,1000V,2500V,5000V	500V,1000V,2500V,5000V,10000V
Output Voltage Accuracy	+ 4% ± 10V	+ 4% ± 10V
Insulation Resistance Measuring Range	0.1MΩ ~ 5.00TΩ	0.2MΩ ~ 10.00TΩ
Short-circuit Current	5mA MAX	5mA MAX
Voltage Measurement	Range: AC 750V/DC 1000V, Accuracy: ± 1.5%rdg ± 3dgt	
Polarization Index (PI)	Yes	
Dielectric Absorption Ratio (DAR)	Yes	
Real-time Voltage Indication	Real-time monitoring of test terminal voltage; testing is prohibited when the voltage exceeds 36V in non-test state to protect the instrument and operators.	
Measuring Time	Single test time is 10min; users can stop manually during the test or stop automatically after 10min, and the measurement data is displayed on the screen.	
Storage Function	Automatically store 600 groups of test data; stored test records can be displayed and played back on the meter.	
USB Communication	Yes; test records can be transferred to PC via USB cable.	
Bluetooth Communication	Yes	
Battery Power Indication	Equipped with battery power indication; when battery voltage is low, it will remind timely charging .	
Auto Power-off Function	Auto power-off 15 minutes after power-on.	
Protection Level	IP65 with cover closed; IP40 with cover open	

ETCR METER[®]

GUANGDONG ETCR ELECTRONIC TECHNOLOGY CO.,LTD.

Power Consumption	Standby: approx. 40mA (backlight off); Measuring: approx. 100mA (backlight off)
Working Temperature & Humidity	- 10℃ ~ 40℃; below 80%RH
Storage Temperature & Humidity	- 20℃ ~ 60℃; below 70%RH
Instrument Dimensions	280mm × 260mm × 160mm
Weight	Approx. 5.58kgs (including accessories)
Safety Standards	IEC61010-1 (CAT I 300V, CAT IV 150V, Pollution Degree 2)
Accessories	Master*1PC High-voltage test lead (Red)*1PC High-voltage probe replacement needle*1PC; High-voltage probe replacement hook*1PC; High-voltage probe replacement alligator clip*1PC; Alligator clip test lead (Green)*1PC; Alligator clip test lead (Black)*1PC Charger*1PC USB communication cable*1PC; Tool bag*1PC