



## 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.

<b>Power Consumption</b>	Standby: approx. 40mA (backlight off); Measuring: approx. 100mA (backlight off)
<b>Working Temperature &amp; Humidity</b>	- 10℃ ~ 40℃; below 80%RH
<b>Storage Temperature &amp; Humidity</b>	- 20℃ ~ 60℃; below 70%RH
<b>Instrument Dimensions</b>	280mm × 260mm × 160mm
<b>Weight</b>	Approx. 5.58kgs (including accessories)
<b>Safety Standards</b>	IEC61010-1 (CAT I 300V, CAT IV 150V, Pollution Degree 2)
<b>Accessories</b>	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