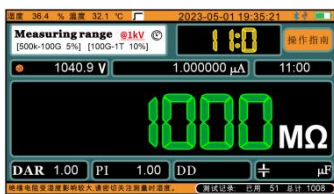


- ◆ Max Output Voltage 50V~10kV
- ◆ Test Resistance 0.005MΩ~10TΩ
- ◆ Max Short Circuit Current 5mA
- ◆ Polarization Index Test (PI)
- ◆ Dielectric Absorption Ratio Test (DAR)
- ◆ Step Test Mode(STEP)
- ◆ Ramp Test Mode (RAMP)
- ◆ Custom Setting Output Voltage
- ◆ Custom Setting Test Time 10s~60min
- ◆ Large Capacity Rechargeable Lithium Battery
- ◆ USB Communication
- ◆ Bluetooth Communication



<Normal Test Interface>



<Customs Testina Interface>



<Ramp Test Interface>



<Step Test Interface>

PRODUCT FUNCTION

- Suitable for insulation resistance testing of the cable, motor, generator, transformer, mutual inductor, high voltage switch, arrester and other large equipment.
- Insulation resistance test (IR); polarization index test (PI); Dielectric absorption ratio test (DAR); Step test (STEP); Ramp test (RAMP); AC / DC Voltage test(V).

PRODUCT FEATURES

- Touch colorful screen, and the test data will be displayed on the same screen. It is very convenient to test operation and view history record.
- With the unique strong anti-interference technology and stable testing capabilities in large distributed capacitance site (such as long cables) and strong electromagnetic interference environments (such as substations).
- Perfect measurement index: insulation resistance (IR), polarization index (PI), dielectric absorption ratio (DAR), step (STEP), ramp (RAMP), AC / DC voltage (V).
- Custom setting measurement mode, optional PI and DAR calculation formulas, custom setting test voltage and custom setting test duration, which can provide variety of options to user and convenient the special site request.
- Voltage monitor: Automatically monitoring the live voltage of the measured object. when the voltage exceed 36V and will automatically prohibit to test to effectively protect the instrument and the operator.
- Current monitor: Automatic display the current of test circuit
- Temperature monitor: Automatic display the temperature and humidity of tester inside.
- Automatic discharge function, automatically and quickly release the electric charge of the measured object after the test, no need the external discharge circuit.
- Large-capacity test record memory, test records can be directly browsed and analyzed in the tester. the tester can automatically store 1000 sets of real-time test data with test date and test time.

INSULATION RESISTANCE MEASUREMENT

Rated Voltage	50V	250V	500V	1000V	2500V	5000V	10kV
Range & Accuracy	± 5%	5.00GΩ	25.0GΩ	50.0GΩ	100.0GΩ	250GΩ	500GΩ
	± 10%	50GΩ	250GΩ	500GΩ	1.00TΩ	2.50TΩ	5.00TΩ
							10.0TΩ

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www.etcrmeter.com

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Subject to technical change without notice.



TECHNICAL

Model	EM3500	EM3500B
Power Supply	Rechargeable lithium battery pack 5.2Ah 14.8V	Rechargeable lithium battery pack 5.2Ah 14.8V
Rated Voltage	50V, 250V, 500V, 1000V, 2500V, 5000V	50V, 250V, 500V, 1000V, 2500V, 5000V, 10kV
Output Voltage Accuracy	+ 4% ± 10V (when 50V: + 4% ± 2V)	+ 4% ± 10V (when 50V: + 4% ± 2V)
Insulation Resistance Range	0.005MΩ ~ 5.00TΩ	0.005MΩ ~ 10.00TΩ
Short Circuit Current	5mA MAX	5mA MAX
Voltage Measurement	Range: DC 0V ~ 1000V / AC: 0V ~ 750V; Accuracy: ± 5 % rdg ± 3V	
Custom Setting Output Voltage	EM3500: 40 ~ 5kV; EM3500B: 40V ~ 10kV	
Customs Setting Test Time	10S ~ 3600S	
Polarization Index (PI)	Yes	
Dielectric Absorption Ratio (DAR)	Yes	
Step Voltage(STEP)	Yes	
Ramp(RAMP)	Yes	
Real Time Current Display	Display test current value, current range: 0.001nA ~ 5 mA	
Real Time Voltage Display	Real time monitoring the voltage of the measured terminal. In non-testing state, the voltage higher than 36V will automatically prohibit to test to effectively protect the instrument and the operator	
Test Timer	Automatic record test time, time range: 0S ~ 9999S	
Storage Function	Automatically store the test data total 1000 groups, which can display and replay the stored test record	
USB Communication	Yes, upload the test record to PC through the USB communication cable	
Bluetooth Communication	Yes, can connect to the Android mobile or others with the Bluetooth communication device	
Battery Power Indication	With the battery power indication, when battery voltage low will remind to charge in time	
Automatic Shutdown	15 minutes without any operation after starting up will automatic shutdown	
Maximum immunity to noise/interference	6mA	
Withstand Voltage	AC 3KV 50Hz 1min (between the test circuit and shell)	
Tester Dimension	280mm x 260mm x 160mm	
Tester Weight	Approx. 5.6kgs (include all accessories)	
Protection Level	Close the case IP65, open the case IP40	
Working Environment	- 20℃ ~ 50℃; 80 % RH	
Suitable Safety Standard	IEC61010-1, IEC61326-1	
Accessories	Host tester*1PC; High voltage test line(red)*1PC; Test line (green)*1PC; Test line (black)*1PC; Alligator clip*1PC; Hook*1PC; Power adaptor*1PC; USB communication cable*1PC; Tool bag*1PC	

ETCR METER[®]

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