



EK-C350/C350B High Voltage Insulation Resistance Tester

- ◆ 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



Product Function

Suitable for insulation resistance testing of cables, motors, generators, transformers, mutual inductors, high voltage switches, arresters and other large equipment.

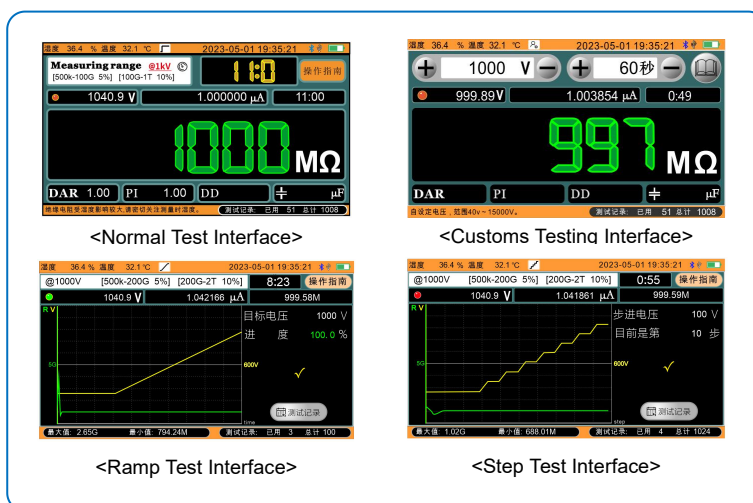
Insulation resistance test (IR); polarization index test (PI); dielectric absorption ratio test (DAR); Step test (STEP); Ramp test (RAMP); AC/DC voltage test (V).

Product Features

1. Touch colorful screen, test data is displayed on the same screen. It is very convenient for test operation and viewing history records.
2. With unique strong anti-interference technology, it has stable testing capability in large distributed capacitance sites (such as long cables) and strong electromagnetic interference environments (such as substations).
3. Perfect measurement index: insulation resistance (IR), polarization index (PI), dielectric absorption ratio (DAR), step (STEP), ramp (RAMP), AC/DC voltage (V).
4. Custom setting measurement mode: optional PI and DAR calculation formulas, custom setting test voltage and custom setting test duration, providing users with multiple options to meet special site requirements.
5. Voltage monitor: automatically monitors the live voltage of the measured object. Voltage exceeding 36V will automatically prohibit the test to effectively protect the instrument and the operator.
6. Current monitor: automatically displays the current of test circuit.
7. Temperature monitor: automatically displays the temperature and humidity inside the tester.
8. Automatic discharge function: automatically and quickly releases the charge of the measured object after the test, no need for external discharge circuit.
9. Large-capacity test record memory: test records can be directly browsed and analyzed in the tester. It can automatically store 1000 sets of real-time test data with test date and test time.
10. USB communication and upload function: recorded data can be uploaded to a computer for storage and statistical analysis.
11. Bluetooth communication function: test results can be uploaded to a mobile phone.

Insulation Resistance Measurement Accuracy

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





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Technical Specification

Model	EK-C350	EK-C350B
Power Supply	DC14.8V, 5200mAh rechargeable lithium battery	
Display Screen	5-inch touch colorful screen, display area: 107mm × 58mm	
Rated Voltage	50V, 250V, 500V, 1000V, 2500V, 5000V	50V, 250V, 500V, 1000V, 2500V, 5000V, 10kV
Insulation Resistance Range	0.005MΩ ~ 5.00TΩ	0.005MΩ ~ 10.00TΩ
Custom Setting Output Voltage	40V ~ 5kV	40V ~ 10kV
Output Voltage Accuracy	+4%±10V (when 50V: +4%±2V)	
Short Circuit Current	5mA MAX	
Custom Setting Test Time	10s ~ 3600s	
Voltage Measurement	Range: DC 0V~1000V / AC 0V~750V; Accuracy: ±5%rdg±3V	
Polarization Index (PI)	Yes	
Dielectric Absorption Ratio (DAR)	Yes	
Step Test (STEP)	Yes	
Ramp Test (RAMP)	Yes	
Real Time Current Display	Display test current value, range: 0.001nA ~ 5mA	
Real Time Voltage Display	Real time monitoring voltage of tested terminal. In non-test state, voltage >36V prohibits test.	
Test Timer	Automatic record test time, range: 0s ~ 9999s	
Storage Function	Automatically store 1000 groups of test data, can replay records in tester.	
Bluetooth Printer	Optional	
Analog Pointer Display	Optional	
Battery Power Display	Yes, low voltage reminder	
Automatic Shutdown	15 minutes after startup without operation	
Maximum immunity to noise/interference	6mA	
Withstand Voltage	AC 3kV 50Hz 1min (between test circuit and shell)	
USB Communication	Yes, upload test records to PC via USB cable	
Bluetooth Communication	Yes, connect to Android phones or other Bluetooth devices	
Meter Dimensions	280mm × 260mm × 160mm	
Meter Weight	Approx. 6.2kg (including accessories)	
Operating Temperature & Humidity	-20℃ ~ 50℃; 80%RH	
Protection Level	Closed case: IP65, opened case: IP40	
Suitable Safety Standard	IEC61010-1, IEC61326-1	

