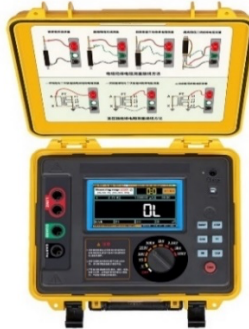


Best Insulation Resistance Tester

RD3205E & RD3210E & RD3215E



RD3205E



RD3210E



RD3215E

Best Insulation Resistance Tester is a high-performance high voltage insulation resistance tester of well research and development by our company. The instrument has perfect testing function of various insulation resistance parameters and excellent anti-interference ability, which can be used to test the insulation resistance of large capacity high voltage electrical equipment and transmission lines in substation with strong induction electric environment. The Best Insulation Resistance Tester adopts true color touch screen, and all the test data and battery power are displayed on the same screen for viewing clear and obvious. The combination of knob switch and button makes the operation very simple. The Best Insulation Resistance Tester is suitable for testing the insulation resistance of large equipment such as electric equipment which with large capacity, high voltage and in strong induction electric environment, and transmission line, which is the power, telecommunications, meteorology, computer rooms, oil fields, mechanical and electrical installation and maintenance and power supply departments of industrial and mining enterprises commonly used but essential instruments.



Product features

1. The instrument adopts large capacity rechargeable lithium battery pack.
2. 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).

3. 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.
4. 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.
5. Voltage monitor: Automatically monitoring the live voltage of the measured object. when the voltage exceeds 36V and will automatically prohibit to test to effectively protect the instrument and the operator.
6. Current monitor: Automatic display the current of test circuit
7. Temperature monitor: Automatic display the temperature and humidity of tester inside.
8. Automatic discharge function, automatically and quickly release the electric charge of the measured object after the test, no need the external discharge circuit.
9. 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.
10. USB communication and upload function, the recorded data can be uploaded to the computer for stored statistical analysis.
11. Bluetooth communication function can upload the test results to the mobile phone.



Product specifications and technical parameters

1. Technical Parameters

Picture			
Model	RD3205E	RD3210E	RD3215E
Rated Voltage	50V, 250V, 500V, 1kV, 2.5kV, 5kV	50V, 250V, 500V, 1kV, 2.5kV, 5kV, 10kV	50V, 250V, 500V, 1kV, 2.5kV, 5kV, 10kV, 15kV
Insulation Resistance Range	0.005MΩ ~ 10.0TΩ	0.005MΩ ~ 20.0TΩ	0.005MΩ~ 30.0TΩ
Custom Setting Output Voltage	40V ~ 5kV	40V ~ 10kV	40V ~ 15kV
Function	insulation resistance (IR), polarization index (PI), dielectric absorption ratio (DAR), step voltage (STEP), ramp (RAMP), dielectric discharge index (DD), capacitance measurement (CAP) , voltage measurement (V)		
Power Supply	Rechargeable lithium battery pack 6.2Ah/14.8V		
Output Voltage Accuracy	(5% ~ 10%) ±10V		
Short Circuit Current	7mA		
Capacitance Measurement	Range: 10nF ~ 200μF; Accuracy: ±10%rdg ± 10nF		
Voltage Measurement	Rang: DC 0V~1000V; Accuracy: ±5%rdg±3V Rang: AC 0V~700V; Accuracy: ±5%rdg±3V		
Custom Setting Test Time	10s ~ 3600s		
Real Time Current Value	Display test current value, current display range: 0.001nA ~ 7.5mA		
Real Time Voltage Value	Automatically monitoring the voltage of the measured object. When the voltage exceeds 36V and will automatically prohibit to test to effectively protect the instrument and the operator.		

Test Timer	Automatically record test duration, timing range: 0s ~ 9999s
Store Function	Automatically store the test date, time and timing, total of 1000 groups, which can view and replay the stored test record
USB Communication	Yes, upload the test record to PC through the USB cable
Bluetooth Communication	Yes, it 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	After 15 minutes startup will shut down automatically without any operation
Protection Level	Close the case IP65; open the case IP40
Working Environment	-20°C ~ 50°C; 80%RH
Withstand Voltage	AC 3kV 50Hz 1min (between the test circuit and shell)
Suitable Safety Standard	IEC61010-1, IEC61326-1

2. Measurement Range & Accuracy

Model		RD3205E& RD3210E& RD3215E						RD3210E & RD3215E	RD3215E
Rate Voltage		50V	250V	500V	1000V	2500V	5000V	10kV	15kV
Range & Accuracy	±5%	10.0GΩ	50.0GΩ	100GΩ	200GΩ	1.00TΩ	2.00TΩ	4.00TΩ	6.00TΩ
	±20%	100GΩ	500GΩ	1.00TΩ	2.00TΩ	5.00TΩ	10.0TΩ	20.0TΩ	30.0TΩ



Related Products



RD3200E



RD3202E



RD3205E



RD32010E



RD3215E



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