

Ideal Digital Insulation Resistance Tester

RD3200E & RD3202E

Ideal Digital Insulation Resistance Tester with a wide measurement range, high resolution, convenient operation, strong and durable, accurate and reliable, stable performance and strong anti-interference ability. The instrument has a perfect testing function for various insulation resistance parameters and excellent anti-interference ability, which can be used for insulation resistance testing of large-capacity high-voltage electrical equipment and transmission lines. The Insulation Resistor Tester adopts a colour touch screen, displaying all the test data and battery power on the same screen for clear viewing. The combination of a knob switch and a button makes the operation very simple. The user does not need to memorise the operation method, but clicking "HELP" on the screen will pop up the operation method, effectively guiding the user in operating the instrument.



Product Features

1. The instrument adopts a large-capacity rechargeable lithium battery pack.
2. With the unique, strong anti-interference technology and stable testing capabilities in large, distributed capacitance sites (such as long cables) and intense electromagnetic interference environments (such as substations).
3. Touch the colourful screen, and the test data will be displayed on the same screen. This is very convenient for testing operations and viewing the history record.
4. Custom setting measurement mode, optional PI and DAR calculation formulas, custom setting test voltage, and custom setting test duration can provide a variety of options to the user and accommodate the special site request.
5. Voltage monitor: This monitors the live voltage of the measured object automatically. When the voltage exceeds 36V, testing is automatically prohibited.



to protect the instrument and the operator effectively.

6. Current monitor: Automatic display of the current of the test circuit
7. Temperature monitor: Atomic displays the temperature and humidity of the tester inside.
8. The automatic discharge function automatically and quickly releases the electric charge of the measured object after the test, eliminating the need for an external discharge circuit.
9. The tester has a large-capacity test record memory, and test records can be directly browsed and analysed in the tester. The tester can automatically store 1000 sets of real-time test data with test dates and times.
10. The recorded data can be uploaded to the computer for statistical analysis and stored through the USB communication and upload function.
11. Bluetooth communication function can upload the test results to the mobile phone.



Product specifications and technical parameters、

1. Technical Parameters

Picture		
Model	RD3200E	RD3202E
Rated Voltage	50V, 250V, 500V, 1kV, 2.5kV, 5kV	50V, 250V, 500V, 1kV, 2.5kV, 5kV, 10kV
Insulation Resistance Range	0.005MΩ ~ 5.00TΩ	0.005MΩ ~ 10.00TΩ
Custom Setting Output	40V ~ 5kV	40V ~ 10kV

Voltage		
Function	Insulation resistance (IR), polarization index (PI), dielectric absorption ratio (DAR), step voltage (STEP), ramp (RAMP), voltage measurement (V).	
Power Supply	Rechargeable lithium battery pack 5.2Ah/14.8V	
Output Voltage Accuracy	(5% ~ 10%) $\pm 10V$	
Short Circuit Current	5mA Max	
Voltage Measurement	Rang: DC 0V~1000V; Accuracy: $\pm 5\%rdg \pm 3V$ Rang: AC 0V~700V; Accuracy: $\pm 5\%rdg \pm 3V$	
Customs Setting Test Time	10s ~ 3600s	
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. when the voltage exceeds 36V and 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 of 1000 groups, which can display, replay store 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		RD3200E& RD3202E						RD3202E
Rated Voltage		50V	250V	500V	1kV	2.5kV	5kV	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



Related Products



RD3200E



RD3202E



RD3205E



RD32010E



RD3215E



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