



**IRT01**

# IRT01

## Insulation Resistance Tester



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*IRT01 is a special insulation resistance tester for EVs. It is equipped with powerful measurement and data processing software, which can efficiently complete the measurement of parameters such as insulation resistance and voltage.*



**Flexible Application**



**Wide Measurement Range**



**Smart Alarm**



**Auto Shutdown**



### Features

1. Flexible application, can measure insulation resistance and AC/DC voltage, support comparison measurement, continuous measurement, timing measurement 3 modes;
2. Wide range measurement, for different output voltages, the resistance measurement range can reach 10M $\Omega$ -1000G $\Omega$ ;
3. Intelligent alarm, low resistance, timely alarm to protect personnel and equipment safety when the range is exceeded;
4. 5-inch LCD backlit display, convenient for measurement in poor light environments;
5. Automatically shut down without any operation in 15 minutes, saving energy and electricity.



Usage Scenarios of IRT01

### Functions

- 1. Insulation resistance test:** support the selection of 500V/1000V/2500V/5000V output voltage range, support comparison measurement, continuous measurement, timing measurement three modes;
- 2. Voltage measurement:** support DC and AC voltage measurement;
- 3. Other functions:** support LCD backlight, automatic shutdown after 15 minutes without operation, over-range alarm, high-voltage warning indication.

### Parameters

Output voltage	500 V/1000 V/2500 V/5000 V	DC measurement	$\pm 30$ V~ $\pm 600$ V DC, resolution: 1 V, accuracy: $\pm 2\%$
	500V:10M $\Omega$ ~20G $\Omega$	AC measurement	$\pm 30$ V~ $\pm 600$ V AC, resolution: 1 V, accuracy: $\pm 2\%$
Insulation resistance	1000V:10M $\Omega$ ~40G $\Omega$	Display mode	5-inch display
	2500V:10M $\Omega$ ~100G $\Omega$	Battery	3150mAh/11.4V
	5000V:10M $\Omega$ ~1000G $\Omega$	temperature	0~50 $^{\circ}$ C
Short-circuit current	<3.0mA	Size	190 $\times$ 207 $\times$ 72mm