

# Insulation Resistance Tester



9003

## Insulation Resistance Range and Accuracy

Basic function	Output voltage	Range	Accuracy
Insulation Resistance	250V	0,01MΩ ~ 2,5GΩ	±3%±5dgt
		2,5GΩ ~ 250GΩ	±15%±5dgt
	500V	0,01MΩ ~ 5GΩ	±3%±5dgt
		5GΩ ~ 500GΩ	±15%±5dgt
	1KV	0,01MΩ ~ 10GΩ	±3%±5dgt
		10GΩ ~ 1TΩ	±15%±5dgt
	2.5KV	0,01MΩ ~ 25GΩ	±3%±5dgt
		25GΩ ~ 2.5TΩ	±15%±5dgt
5KV	0,01MΩ ~ 50GΩ	±3%±5dgt	
	50GΩ ~ 5TΩ	±15%±5dgt	
AC/DC voltage	ACV	0,01V~750v	±2%rdg±3dgt
	DCV	0,01V~1000v	±2%rdg±3dgt

## General Specification

General function	
Function	Insulation resistance measurement (IR); polarization index measurement (PI); absorption ratio (DAR); AC and DC voltage test; automatic discharge function; ambient temperature test;
Power Supply	DC 14.8V 2200mAh rechargeable lithium battery
Rated Voltage	250V, 500V, 1000V, 2500V, 5000V
Output Short Circuit Current	≥10mA
Connection method	L terminal: "L" is called the high-voltage output terminal, called the line terminal, and leads to the end of the measured object G terminal: "G" is called the shield terminal, which is used for the three-electrode method to measure the insulation resistance of insulating materials or cables, and it is connected to the GRE E terminal: "E" is called the ground terminal, which is connected to the ground and zero terminals of the measured object. Such as motor housing metal, transformer core, cable shielding V terminal: AC and DC voltage measurement terminal (AC and DC automatic identification)
Resolution	Insulation resistance: 0,01 MΩ AC voltage: 0,01V DC voltage: 0,01V
Measure time	1 minute to 30 minutes (related to the measurement method, can be set)
Backlight	Controllable white screen backlight, suitable for dark places
Shift	Fully automatic shifting
LCD	4-digit LCD display, white screen backlight
LCD size	128mmX75mm
LCD display field	124mmX67mm
Measurement instructions	LED flashing indication during measurement, progress bar graph indication
Size	258mmx215mmx83mm
Standard test lead	1 red high voltage test rod, 1 green and 1 black test lead.
Battery voltage	Real-time display of remaining battery power, please charge in time when the battery is low
Communication Interface	With a USB interface, the stored data can be uploaded to the computer, saved and printed
Communication line	1 USB communication cable, 1.5m long
Working current	Standby: 25mA Max (backlight off); Backlight: 25mA Max (backlight power consumption alone);
Weight	Meter: 2.19kg (including battery), Total: 3.50kg (including packaging)
Toolkit	Yellow and black two-color tool bag, easy to carry, good visual effect
Working temperature and humidity	-10°C~ 40°C; below 80%rh
Storage temperature and humidity	-20°C~ 60°C; below 70%rh
Pressure resistance	AC 3700V/rms (between the front and rear ends of the housing)
Insulation resistance	Above 20MQ (500V between bottom cover screws and top cover)
Electromagnetic properties	IEC61326(EMC)

## Contact Us



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