

Digital Insulation Resistance Tester

RDIR3460A+ RDIR3460B

Digital Insulation Resistance Tester, a megohm meter or insulation resistance tester, is used for insulation resistance testing. This is a high-performance digital instrument with an LCD screen and a backlight display, data hold, automatic discharge, automatic shutdown, and other functions. The instrument has the functions of test timing and voltage monitoring. Insulation resistance value, test time, and output voltage display with the same screen also measure AC and DC voltage. This Insulation Resistance Test Equipment series has a maximum output voltage of 2500V, the most significant test resistance value of 200GΩ, and a maximum short-circuit current of 2mA. It is suitable for measuring the resistance of various insulating materials and the insulation resistance of transformers, motors, cables, and electrical equipment.



Product Features

1. Controllable off-white backlight, suitable for dark places.
2. With automatic discharge function.
3. With automatic shutdown function.
4. With data hold function.



Product specifications and technical parameters

1. Technical Parameters

Picture		
Model	RDIR3460A	RDIR3460B
Rated Voltage	50V / 250V / 500V / 1kV / 2.5kV	50V / 250V / 500V / 1kV / 2.5kV / 5kV
Insulation Resistance Range	0.1MΩ ~ 200GΩ	0.1MΩ ~ 400GΩ
Function	Insulation resistance tester, AC/DC voltage test	
Power Supply	DC 1.5V LR14×6pcs	
Voltage Range	AC/DC 0V ~ 750V	
Shout Circuit Current	2mA Max	
Max Capacitive Load	1uF	
Dielectric Absorption Ratio Test (DAR)	No	
Polarization Index Test (PI)	No	
Shift	Turn the shift rotary knob to select the appropriate gear	
Backlight	Controllable off-white backlight, suitable for dark places	
Display Mode	4 digital LCD display	
Measurement indication	LED flicker and buzzer ring in measurement	
LCD Size	108mm×65mm	
Meter Dimension	212mm×175mm×76mm	
Test Wires	High voltage bar test wire: Red 1pc; Probe test wire: Black 1pc; Alligator clip test wire: 1pc; Alligator clip: 1pc	
Test Time	The single test time is 1 min. During the test, the user can stop automatically or automatically stop after 1 min, and the screen display measurement data	
Battery Voltage	Battery voltage symbol display, when battery voltage is low will remind to replace the battery in time	

Automatic Discharge	Automatic release the voltage of the measured object, During discharging, symbol flash. Discharge completion symbol extinguish
Auto Shutdown	15 minutes after booting up, the meter shuts down automatically without any operation
Power Consumption	Standby: about 40mA (backlight off); Start up with backlight: about 50mA; Measurement: about 100mA (backlight off)
Weight	1230g
Working Temperature and Humidity	-10°C ~ 40°C; below 80%RH
Storage Temperature and Humidity	-20°C ~ 60°C; below 70%RH
Suitable Safety Standard	IEC61010-1(CAT III 300V CAT IV 150V Pollution 2)

2. Measurement Range & Accuracy six

Measurement	Model	Output Voltage	Range	Accuracy	Resolution
Insulation Resistance	RDIR3460A RDIR3460B	50V (±2%)	100KΩ ~ 5MΩ	±3%rdg±5dgt	0.01MΩ
			5MΩ ~ 100MΩ	±5%rdg±5dgt	0.1MΩ
			100MΩ ~ 1GΩ	±5%rdg±5dgt	1MΩ
			1GΩ ~ 4GΩ	±10%rdg±5dgt	10MΩ
		250V (±2%)	500KΩ ~ 25MΩ	±3%rdg±5dgt	0.01MΩ
			25MΩ ~ 500MΩ	±5%rdg±5dgt	0.1Ω
			500MΩ ~ 5GΩ	±5%rdg±5dgt	1MΩ
			5GΩ ~ 20GΩ	±10%rdg±5dgt	10MΩ
		500V (±2%)	1MΩ ~ 50MΩ	±3%rdg±5dgt	0.1MΩ

			50MΩ ~ 1GΩ	±5%rdg±5dgt	1MΩ
			1GΩ ~ 10GΩ	±5%rdg±5dgt	10MΩ
			10GΩ ~ 40GΩ	±10%rdg±5dgt	0.1GΩ
		1KV (±2%)	2MΩ ~ 100MΩ	±3%rdg±5dgt	0.1MΩ
			100MΩ ~ 2GΩ	±5%rdg±5dgt	1MΩ
			2GΩ ~ 20GΩ	±5%rdg±5dgt	10MΩ
			20GΩ ~ 80GΩ	±10%rdg±5dgt	0.1GΩ
		2.5kV(±2%)	10MΩ ~ 250MΩ	±3%rdg±5dgt	0.1MΩ
			250MΩ ~ 5GΩ	±5%rdg±5dgt	1MΩ
			5GΩ ~ 50GΩ	±5%rdg±5dgt	10MΩ
			50GΩ ~ 200GΩ	±10%rdg±10dgt	1GΩ
Upgrade	RDIR3460B	5kV (±2%)	50MΩ ~ 500MΩ	±3%rdg±5dgt	1MΩ
			500MΩ ~ 10GΩ	±5%rdg±5dgt	10MΩ
			10GΩ ~ 100GΩ	±5%rdg±5dgt	0.1GΩ
			100GΩ ~ 400GΩ	±10%rdg±10dgt	1GΩ
Voltage Measurement	RDIR3460A RDIR3460B	AC/DC: 0.0V ~ 750V		±5%rdg±5dgt	0.1V



Related Products



RD3460A



RD3460B



RD3480A



RD3480B



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