

RDIR3480A Insulation Resistance Tester

RDIR3480A Insulation Resistance Tester, also known as megohm meter, insulation resistance tester, for insulation resistance testing. This instrument is a high performance digital type instrument, with LCD large screen with 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, output voltage display with the same screen, also have the functions of dielectric absorption ratio test (DAR), polarization index test (PI), measuring AC voltage. This series instrument maximum output voltage 2500V, the biggest test resistance value 200GΩ, maximum short-circuit current 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. Measurement Range & Accuracy

Measurement	Output Voltage	Range	Accuracy	Resolution
Insulation Resistance	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	
	Voltage Measurement	AC/DC: 0.0V~750V		±5%rdg±5dgt	0.1V

2. Technical Parameters

Function	insulation resistance test, DAR, PI, AC/DC voltage test
Power Supply	DC 1.5V LR14×6pcs
Rated Voltage	50V / 250V / 500V / 1kV / 2.5kV
Insulation Resistance Range	0.1MΩ ~ 200GΩ
Voltage Range	AC/DC 0V ~ 750V
Shout Circuit Current	2mA Max
Max Capacitive Load	1uF
Dielectric Absorption Ratio Test (DAR)	Yes
Polarization Index Test (PI)	Yes
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 12 min. During the test, the user can stop automatically or automatically stop after 12 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 boot 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)