



IRT15

15KV INSULATION
RESISTANCE TESTER

MAIN FEATURES

- **Ease of use**
- **Portable**
- **Robust Design**
- **0.01M Ω - 50T Ω Measurement Range**
- **0.1-15kV Output Voltage**
- **0-750V AC Measurement**
- **0-1000V DC Measurement**
- **10nF-50uF Capacitance Measurement**
- **Battery Powered**
- **IP67 Enclosure**



DESCRIPTION

The Adret IRT15 Digital insulation resistance tester is also known as megohmmeter or high voltage insulation resistance tester. The instrument has a large digital LCD, backlit display, data storage, alarm, automatic shutdown and many other features. It also has a function to measure AC voltage absorption ratio and the polarization index of DC voltages. The unit has a shock, dust and moisture-proof enclosure and is mainly used in the electrical testing industry. It is suitable for measuring the resistance value of various insulating materials and the insulation resistance of transformers, motors, cables and electrical equipment.



SPECIFICATIONS

Test Function	Insulation resistance test, voltage test, current test, capacitance test		
Condition	23°C±5°C below 75%rh		
Rated voltage (V)	500V, 1000V, 2500V, 5000V, 10kV, 15kV		Precision rated voltage x (1±10%)
Insulation Resistance Range(GΩ)	0.01MΩ-50TΩ	Precision ±3%rdg±5dgt	Resolution 0.01MΩ
DC voltage range	0.1-1000V	Precision ±1.5%rdg±3dgt	Resolution 0.1V
AC voltage range	0.1-750V	Precision ±1.5%rdg±3dgt	Resolution 0.1V
DC current measuring	0.01nA-6mA	Precision ±5.0%rdg±5dgt	Resolution 0.01nA
Capacitance measuring	10nF-50uF	Precision ±10%rdg±5dg	Resolution 10nF
Output short circuit current	≥6mA		
Absorption Ratio and Polarization Index Measurement	Yes		
Power Supply	12V rechargeable battery		
Backlight	Controllable gray screen backlight, suitable for use in dim places		
Display mode	4-bit large LCD display, gray screen backlight		
LCD display size	108mm×65mm		
Instrument size	240mm (L)×188mm (W)×185mm (H)		
USB interface	With USB interface, software monitoring, storage data can be uploaded to the computer, save the print		
Communication Line	USB communication line 1PC		
Test Line	High voltage robs red 3meter, high voltage test line black 1.5meter, green 1.5meter		
Data Storage	500 groups, "FULL" symbol indicates that storage is full		
Data Review	Data review function: "READ" symbol display		
Overflow Display	Exceed measurement range overflow function: "OL" symbol display		
Alarm Function	Alarm when the measured value exceeds the alarm setting value Standby: 30mA Max (backlight off)		
Power Consumption	Turn on backlight: 42mA Max Measure: 200mA Max (backlight off)		
Instrument weight	2340g (including battery)		
Battery voltage	When the battery voltage is low, low battery symbol "Bat " will display		
Automatic shut-down	Automatic shutdown after 15 minutes boot		
Insulation Resistance	≥50MΩ (between Measuring line and shell)		
Pressure Resistance	AC3kV/50Hz 1min		
Working Temperature and Humidity	-10C - +50C 85%RH		
Storage Temperature and Humidity	-15 - +55C 90%RH		
Suitable for Safety Regulations	IEC61010-1, IEC1010-2-31, IEC61557-1,5, IEC60529(IP54), Pollution grade 2, CAT III 300V		

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Management System
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