



# IRT10

10KV INSULATION  
RESISTANCE TESTER

## MAIN FEATURES

- **Ease of use**
- **Portable**
- **Robust Design**
- **0.01M $\Omega$  - 2T $\Omega$  Measurement Range**
- **0.25-10kV Output Voltage**
- **0-750V AC Measurement**
- **0-1000V DC Measurement**
- **Battery Powered**
- **IP67 Enclosure**



## DESCRIPTION

The Adret IRT10 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

<b>Test Function</b>	Insulation resistance test, voltage test, current test, capacitance test		
<b>Condition</b>	23°C±5°C below 75%rh		
<b>Rated voltage (V)</b>	500V, 1000V, 2500V, 5000V, 10000V		Precision rated voltage x (1±10%)
<b>Insulation Resistance Range(GΩ)</b>	0.01MΩ-2TΩ	Precision ±3%rdg±5dgt	Resolution 0.01MΩ
<b>DC voltage range</b>	0.1-1000V	Precision ±1.5%rdg±3dgt	Resolution 0.1V
<b>AC voltage range</b>	0.1-750V	Precision ±1.5%rdg±3dgt	Resolution 0.1V
<b>DC current measuring</b>	0.01nA-6mA	Precision ±5.0%rdg±5dgt	Resolution 0.01nA
<b>Output short circuit current</b>	≥6mA		
<b>Absorption Ratio and Polarization Index Measurement</b>	Yes		
<b>Power Supply</b>	12V rechargeable battery		
<b>Backlight</b>	Controllable gray screen backlight, suitable for use in dim places		
<b>Display mode</b>	4-bit large LCD display, gray screen backlight		
<b>LCD display size</b>	108mm×65mm		
<b>Instrument size</b>	228mm (L)×228mm (W)×153mm (H)		
<b>USB interface</b>	With USB interface, software monitoring, storage data can be uploaded to the computer, save the print		
<b>Communication Line</b>	USB communication line 1PC		
<b>Test Line</b>	High voltage robs red 3meter, high voltage test line black 1.5meter, green 1.5meter		
<b>Data Storage</b>	500 groups, "FULL" symbol indicates that storage is full		
<b>Data Review</b>	Data review function: "READ" symbol display		
<b>Overflow Display</b>	Exceed measurement range overflow function: "OL" symbol display		
<b>Alarm Function</b>	Alarm when the measured value exceeds the alarm setting value Standby: 30mA Max (backlight off)		
<b>Power Consumption</b>	Turn on backlight: 42mA Max Measure: 200mA Max (backlight off)		
<b>Instrument weight</b>	2340g (including battery)		
<b>Battery voltage</b>	When the battery voltage is low, low battery symbol "Bat " will display		
<b>Automatic shut-down</b>	Automatic shutdown after 15 minutes boot		
<b>Insulation Resistance</b>	≥50MΩ (between Measuring line and shell)		
<b>Pressure Resistance</b>	AC3kV/50Hz 1min		
<b>Working Temperature and Humidity</b>	-10C - +50C 85%RH		
<b>Storage Temperature and Humidity</b>	-15 - +55C 90%RH		
<b>Suitable for Safety Regulations</b>	IEC61010-1, IEC1010-2-31, IEC61557-1,5, IEC60529(IP54), Pollution grade 2, CAT III 300V		

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