

## PRODUCT INTRODUCTION

DIT-930 Digital Insulation Resistance Tester, also known as a Megohmmeter, is a high-voltage insulation resistance tester, used for insulation resistance tests.

This instrument has a large LCD screen with backlit display, data storage, data review, alarm, automatic discharge, charging, automatic shutdown and other functions. It also has the function of measuring absorption ratio and polarization index of AC voltage and DC voltage.

The machine is beautiful and upscale, has a wide range, high resolution, convenient operation, easy to carry, accurate, reliable, stable performance, large output power, strong anti-interference ability. It also features a shockproof, dust proof and moisture-proof structure, and adapts to the harsh working environments.

It is a commonly used and indispensable instrument for Telecommunications, Electricity, Weather, Computer Rooms, Oil Fields, Electronic Mechanical Installations and Maintenance, and in Industrial Enterprises that use electricity as industrial power or energy. It is suitable for measuring the resistance value of various insulating materials and the insulation resistance of transformers, motors, cables and electrical equipment.



## TECHNICAL SPECIFICATIONS

Model	DIT-930	DIT-930E	DIT-930F
Rated Applied Voltage	100; 250; 500; 1000; 2500; 5KV	250; 500; 1000; 2500V; 5KV; 10KV	500; 1000; 2500; 5000; 10KV; 15KV
Resistance Limit Range	0.01MΩ ~ 10TΩ	0.01MΩ ~ 35TΩ	0.01MΩ ~ 50TΩ
Resolution	0.01MΩ	0.01MΩ	0.01MΩ
Accuracy	±3%rdg ±5dgt	±3%rdg ±5dgt	±3%rdg ±5dgt
Output short-circuit Current	≥6mA	≥6mA	≥6mA
Function	Insulation Resistance test, Voltage test, Current test, Capacitance test		
Basic Condition	23°C ±5°C below 75%rh		

<b>Rated Voltage (V)</b>	100V; 250V; 500V; 1000V; 2500V; 5000V		Accuracy rated voltage ×(1±10%)
	250V; 500V; 1000V; 2500V; 5000V; 10KV		Accuracy rated voltage ×(1±10%)
	500V; 1000V; 2500V; 5000V; 10KV; 15KV		Accuracy rated voltage ×(1±10%)
<b>Insulation Resistance Range (GΩ)</b>	0.01MΩ ~ 10TΩ	Accuracy : ±3%rdg±5dgt	Resolution : 0.01MΩ
	0.01MΩ ~ 35TΩ	Accuracy : ±3%rdg±5dgt	Resolution : 0.01MΩ
	0.01MΩ ~ 50TΩ	Accuracy : ±3%rdg±5dgt	Resolution : 0.01MΩ
<b>DC Voltage Range</b>	0.1 ~ 1000V	Accuracy : ±1.5%rdg±3dgt	Resolution : 0.1V
<b>AC Voltage Range</b>	0.1 ~ 750V	Accuracy : ±1.5%rdg±3dgt	Resolution : 0.1V
<b>DC Current Measurement</b>	0.01nA ~ 6mA	Accuracy : ±5.0%rdg±5dgt	Resolution : 0.01nA
<b>Capacitance Test</b>	10nF ~ 50uF	Accuracy : ±10%rdg±5dgt	Resolution : 10nF
<b>Absorption Ratio and Polarization Index Measurement</b>	Available		
<b>Power</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>Instrument Size</b>	240mm (L)* 188mm (W)* 85mm (H)		
<b>USB Interface</b>	With USB interface, software monitoring, storage data can upload computer, save and print		



<b>Communication Line</b>	USB communication line 1pc
<b>Test Line</b>	High voltage rod red line 3 meters, high voltage test line black line 1.5 meters, green line 1.5 meters
<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>	When the measured value exceeds the alarm set value, an alarm prompt is issued.
<b>Instrument Weight</b>	2720g (including battery)
<b>Power Consumption</b>	Standby : 30mA Max (backlight off)
	Turn on backlight : 42mA Max
	Measure : 200mA Max (backlight off)
<b>Battery Voltage</b>	When the battery voltage is low, low battery symbol will display
<b>Automatic shut-down</b>	Automatic shutdown after 15 minutes boot
<b>Insulation Resistance</b>	≥50MΩ (between Measuring line and housing)
<b>Pressure Resistance</b>	AC3kV/50Hz 1min
<b>Working Temperature and Humidity</b>	-10°C ~ +50°C < 85%RH
<b>Storage Temperature and Humidity</b>	-15°C ~ +55°C < 90%RH
<b>Suitable for Safety Regulations</b>	IEC61010-1, IEC1010-2-31, IEC61557-1,5, IEC60529(IP54) pollution grade 2, CAT III 1000V

