

ES3035 Digital Insulation resistance meter (Megohmmeter 5kV)



I. Product Introduction


ES3035 Digital Insulation resistance meter, also name megohmmeter, high voltage insulation resistance tester, is used for insulation resistance test. This instrument has a large LCD screen gray backlit display, data storage, data review, alarm, Automatic discharge, charging, automatic shutdown and other functions. At the same time, 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.

ES3035 Digital Insulation resistance meter also has a shockproof, dustproof, moisture-proof structure, and adapts to the harsh working environment. It is a commonly used and indispensable instrument for Telecommunications, electricity, weather, computer rooms, oil fields, electromechanical installation and maintenance, and 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.

ES3035 Digital Insulation resistance meter is composed of medium and large scale integrated circuits. The output power of the watch is large, and the output voltage level is more (has 5 voltage levels). Rated insulation test voltage range 100 ~ 5000V insulation resistance measurement range 0.01M Ω ~ 1000G Ω . DC voltage measurement range 0~1000V AC voltage measurement range 0~750V

II. Technical Specification

Function	Insulation resistance test, voltage test
Base conditions	23°C \pm 5°C, below 75%rh
Rated voltage(V)	100; 250; 500; 1000; 2500; 5000V accuracy \pm 3%rdg \pm 5dgt
Test Voltage(V)	rated voltage \times (1 \pm 10%)
Insulation Resistance Range (GΩ)	0.01M Ω ~1000G Ω accuracy \pm 3%rdg \pm 5dgt
Insulation Resistance Resolution	0.01M Ω
DC Voltage Range	0~1000V
DC Voltage resolution	0.1V
AC Voltage Range	0~750V
AC Voltage resolution	0.1V
Output short-circuit Current	\geq 5mA(5000V)
Absorption Ratio and	Have

Polarization Index Measurement	
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	L/W/H: 277.2mm×227.5mm×153mm
Test Line	High voltage test line red 1 meter, black 1 meter, green line 1 meter
Data Storage	500 groups, "FULL" symbol indicates that storage is full
USB interface	With USB interface, software monitoring, storage data can be uploaded to the computer, save the print
Communication Line	USB communication line 1PC
Data Review	Data review function: "MR" symbol display
Overflow Display	Exceed measurement range overflow function: "OL" symbol display
Alarm Function	Alarm when the measured value exceeds the alarm setting value
Power Consumption	Standby: 30mA Max(backlight off)
	Turn on backlight: 42mA Max
	Measure: 200mA Max(backlight off)
Instrument weight	2720g(including battery)
Battery voltage	When the battery voltage is low, low battery symbol "  will display
Automatic shut-down	automatic shutdown after 15 minutes boot
Insulation Resistance	≥50MΩ(between Measuring line and housing)
Pressure Resistance	AC3kV/50Hz 1min
Working Temperature and Humidity	−10°C~+50°C<85%RH
Storage Temperature and Humidity	−15°C~+55°C<90%RH
Suitable for Safety Regulations	IEC61010-1、IEC1010-2-31、IEC61557-1,5、IEC60529(IP54) pollution grade 2、CAT III 300V

III. Accessories

Instrument	1PC
High pressure rod	1PC red
High voltage test line	2PCS (black,green each 1)
Monitoring Software CD	1PC
USB communication line	1PC
charger	1PC
Manual, certificate	1SET
Instrument box	1PC



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