

ES3035E+ Digital Insulation Resistance Meter



I . Characteristic

ES3035E+ digital insulation resistance tester, also known as megohmmeter, high-voltage insulation resistance meter, is used for insulation resistance testing. The instrument has large-screen LCD gray and white backlight display, data storage, data access, alarm, automatic discharge, charging, automatic shutdown and other functions. At the same time, it also has the function of measuring the absorption ratio of DC voltage and AC voltage and polarization index. The whole machine is beautiful and high-grade, with a wide range, high resolution, convenient operation, convenient carrying, accurate, reliable, stable performance, large output power, and strong anti-interference ability.

ES3035E+ has a shock-proof, dust-proof and moisture-proof structure, and is suitable for harsh working environments. It is a common and indispensable instrument for telecommunications, electricity, meteorology, 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 insulation resistance value of various insulating materials and transformers, motors, cables and electrical equipment.

ES3035E+ digital insulation resistance meter is composed of medium and large scale integrated circuits. This watch has large output power and many output voltage levels (there are 6 voltage levels). The rated insulation test voltage range is 250V~10kV, and the insulation resistance measurement range is 0.01MΩ~2000GΩ. The DC voltage measurement range is 0~1000V, and the AC voltage measurement range is 0~750V.

II . Technical Specification

Features	Insulation resistance test, voltage test
Baseline conditions	23°C±5°C, below 75%rh
Rated voltage (V)	250; 500; 1000; 2500; 5000V; 10KV
Measuring voltage (V)	Rated voltage × (1±10%)
Insulation resistance range (GΩ)	0.01MΩ~2000GΩ Accuracy ±3%rdg±5dgt
Insulation Resistance Resolution	0.01MΩ

DC voltage range	0~1000V
DC voltage resolution	0.1V
AC voltage range	0~750V
AC Voltage Resolution	0.1V
Output short circuit current	≥5mA(10KV)
Absorption Ratio and Polarization Index Measurements	Have
Power supply	12V rechargeable battery
Backlight	Controllable gray and white screen backlight, suitable for use in dark places
Display mode	4-digit large LCD display, gray and white screen backlight
LCD display size	108mm×65mm
Meter size	Length, width and height: 277.2mm×227.5mm×153mm
USB interface	With USB interface, software monitoring, storage data can be uploaded to the computer, save and print
Communication line	1 USB communication line
Test line	High voltage bar red 3 meters, high voltage test line black 1.5 meters, green line 1.5 meters
Data storage	500 groups, flashing "FULL" symbol indicates that the storage is full
Data access	Data access function: "READ" symbol display
Overflow display	Overrange overflow function: "OL" symbol display
Alarm function	When the measured value exceeds the alarm setting value, an alarm prompt will be issued
Power consumption	Standby: 30mA Max (backlight off)
	Turn on the backlight: 42mA Max
	Measurement: 200mA Max (backlight off)
Instrument quality	2720g (including battery)
Battery voltage	Low battery voltage, showing low battery symbol "  "
Automatic shut-down	The meter shuts down after about 15 minutes of inactivity
Insulation resistance	≥50MΩ (between measurement line and shell)
Pressure resistance	AC3kV/50Hz 1min
Operating 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, etc. 2, CAT III 300V

III. Packing List

Instrument	1 set
High pressure rod	1 red
High Voltage Test Lead	2 (black, 1 green each)
Monitoring software CD	1 pc
USB communication cable	1
Charger	1
Manual, Warranty	1 set

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