

ES9030 RCD Tester



I . Characteristic

ES9030 RCD tester, also known as leakage switch detector, leakage protector tester, residual current action protector detector, residual current action protector tester, is a necessary testing instrument for engineering quality supervision stations and construction companies. Measure the operating time and operating current of the leakage switch. It is mainly used to test the leakage current, leakage non-operating current and leakage operating time of the leakage protector. It can be widely used in power supply department, agricultural power department, leakage protector manufacturer, labor security inspection department in construction, mining, machine tool and other industries, as well as electricians.

ES9030 RCD tester is composed of host, monitoring software, test line, communication line, etc. It has a charging function, no need to search for electricity on site, a full-color large-screen LCD display, which is clear at a glance, and the touch-screen operation is convenient and easy to use. Large-capacity storage of 500 sets of data, voltage measurement range: 1.0V~1000V, measurement accuracy: $\pm 3\% \text{dgt} \pm 3 \text{dgt}$. The test current is continuously adjustable from 1 to 1200mA, and the test leakage current action time range is 0 to 999ms. The upper computer software has the functions of reading, viewing, saving and reporting historical data.

II . Technical Specification

Function	Leakage protector action time measurement, leakage protector action current measurement, voltage measurement.		
Voltage range	1.0V~1000V	Accuracy: $\pm 3\% \text{dgt} \pm 3 \text{dgt}$	Resolution: 0.1V
Current range	1mA~1200mA	Accuracy: $\pm 3\% \text{dgt} \pm 5 \text{dgt}$	Resolution: 1mA
Leakage action time	0~999mS	Accuracy: $\pm 3\% \text{dgt} \pm 6 \text{dgt}$	Resolution: 1mS
Test mode	Manual or automatic		
Power supply	DC12.6V 2500mAh large capacity lithium battery		
Charging function	Have		

Backlight	Yes, suitable for dark places
Display mode	Full color LCD display
Touch screen operation	Yes
LCD size	Length and width: 108mm×65mm
Meter size	Length, width and height: 240mm×188mm×85mm
Test lead length	1 each of red and black
USB interface	With USB interface
Communication line	1 USB communication line
Data storage	500 groups
Data access	Data review function
Battery voltage	The battery level is displayed in real time, indicating that the battery needs to be charged in time when the battery voltage is low
Automatic shut-down	The meter shuts down after about 15 minutes of inactivity
Working temperature and humidity	-10℃~40℃; below 80%Rh
Storage temperature and humidity	-10℃~60℃; below 70%Rh
Insulation	Between instrument line and shell $\geq 100M\Omega$
Pressure resistance	Withstand 1000V/50Hz sine wave AC voltage between instrument circuit and enclosure for 1 minute
Power consumption	DC12.6V, Standby: about 110mA (20% brightness) Measurement: about 480mA (100% brightness)
Instrument quality	Host: 1100g (with battery)
	Test line: 190g
Suitable for safety regulations	IEC61010-1 CAT III 600V, IEC61010-031, IEC61326, pollution degree 2

III. Packing List

Meter	1 set
Test lead	2 (red, 1 black each)
CD	1 piece
Data line	1
Charger	1
Manual, Warranty	1 set
Instrument box	1



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