

ES9020 Intelligent Lightning Protection(SPD) Tester




I . Characteristic

ES9020 Intelligent Lightning Protection Component Tester, also known as Lightning Protection Component Tester, SPD Field Tester, is used for performance testing of arresters, lightning arresters, surge protectors, varistors, cermet discharge tubes, straight air arresters, etc. special instrument. The instrument adopts the charging function for offline use, which overcomes the shortcomings of traditional products that are inconvenient for on-site operation to be plugged in. The voltage output 2000V has a wider application range, uses high-voltage short-circuit protection, and has an automatic discharge function. The instrument is reliable, safe and durable. At the same time, it has the function of insulation resistance test, the use of luxury large-color screen display, data storage, data review, qualification judgment, automatic shutdown, USB data upload and other functions. The whole machine is beautiful and high-grade, with a wide range, high resolution, convenient operation, convenient carrying, accurate, reliable, stable performance and strong anti-interference ability. ES9020 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 meteorological lightning protection, electric power, post and telecommunications, communication, electromechanical installation and maintenance, and industrial enterprises that use electric power as industrial power or energy. It is suitable for measuring the performance parameters of various arresters and surge protectors.

ES9020 intelligent lightning protection component tester is composed of medium and large scale integrated circuits. The output power of this watch is large, the initial action voltage measurement range: 0-2000V, the leakage current measurement range: 0.1~199.9uA, the insulation resistance: 0~1000MΩ, the repeatability is good, and the one-key measurement is convenient and fast.

II . Range&Technical Specification

Features	Varistor (MOV) initial voltage leakage current test, discharge tube (GDT) discharge voltage test, insulation resistance test
Baseline conditions	23℃±5℃, below 75%rh
Measuring voltage (V)	0~2000V Accuracy ±2%rdg±3dgt
Measure leakage current	0.1uA~199.9uA Accuracy±3%rdg±5dgt

(μ A)	
DC voltage resolution	1V
Leakage current resolution	0.1 μ A
Insulation resistance	0~1000M Ω
Test Settling Time	\leq 3s
Discharge tube voltage rise rate	(100 \pm 8) V/s
Power supply	7.2V high capacity rechargeable battery
Backlight	Yes, suitable for dark places
USB data transfer	Have
Display mode	5 inch color TFT LCD
LCD display size	108mm \times 65mm
Meter size	240mm (L) \times 188mm (W) \times 85mm (H)
Test line	Test line red 1 meter, black 1 meter
Data storage	500 groups
Data access	Data access function: "MR" symbol display
Overflow display	Overrange overflow function: "OL" symbol display
Judgment function	The measured value exceeds the set range
Power consumption	Standby: 150mA Max Measurement: 880mA Max
Quality	1230g (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	\geq 50M Ω (1000V)
Pressure resistance	AC3kV/50Hz 1min
Operating temperature and humidity	-10 $^{\circ}$ C ~ +50 $^{\circ}$ C < 85%RH
Storage temperature and humidity	-15 $^{\circ}$ C ~ +55 $^{\circ}$ 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

Meter	1 set
High Voltage Test Lead	2 (red, black each)
Battery	1.2V rechargeable battery 6
Charger	1
USB data cable	1
CD	1
Manual, Warranty	1 set
Instrument box	1

GuangZhou ZhengNeng Electronics Technology Co.LTD

Address: 4th Floor, No. 771, Guangcong Eighth Road, Changyaoling Village, Zhongluotan Town, Baiyun District, Guangzhou, China

Tel: 86-20-36544172

E-mail: sales@fuzrr.com

Post code: 510540

Website: <https://www.fuzrr.com>