

RJ1838H Multi-function Safety Tester



Product Description

RJ1838H multifunctional safety tester, with AC voltage withstand, DC voltage withstand, insulation resistance, AC ground resistance test functions, for battery modules, pack, new energy vehicles, household appliances, power electronics and other industry products to provide fast and efficient safety combination test.

Main usage

- Meet the test requirements of CCC, IEC, EN, VDE, BS, UL, JIS and other mandatory standards for electrical safety;
- Automated articulation test for AC withstand voltage, DC withstand voltage, insulation resistance items;
- Arc detection, arc detection function, and output lockout when product testing arc alarms, so as to prevent irreparable damage caused by product burns from continuous arc discharge;
- Discharge function, DC withstand voltage or insulation resistance project after the test to set the discharge project, according to the size of the capacitance to set the discharge time, display the discharge process voltage, intuitive understanding of the discharge results;
- 30 test groups, 8 test steps per group, convenient operation;
- RS232 interface, PLC interface, network port communication(LAN).

Specification

Model		RJ1838H	
Hand in flow Resistance to pressure measuring try	Output capacity	500VA(5000V/100mA)	
	Output	Range/resolution/accuracy 50V-5000V / 1V / ± (1%rdg.+5dgt.)	
	Voltage	Range/accuracy 50Hz / 60Hz ±0.1%	
	Current	Range 0.000 mA - 100.0 mA	
	Upper current	Range 0.000 mA - 100.0 mA	
	Time Settings	Range/resolution/accuracy 1.0s-999.9s /0.1S /± (0.1%rdg.+5dgt.)	
	Current measurement	Range/resolution/accuracy 0.001mA-100.0 mA /0.001mA, 0.01mA, 0.1mA /	
straight flow Resistance to pressure measuring try	Output capacity	120 VA (6000V/20mA)	
	Output	Range/resolution/accuracy 25V-6000V / 1V / ± (1%rdg.+5dgt.)	
	Current lower	Range 0.0 mu mu A - 9999 A / 10.00 20.00 mA	
	Upper current	Range 1.0 mu mu A - 9999 A / 10.00 20.00 mA	
	Time Settings	Range/resolution/precision 1.0s-999.9s /0.1S /± (0.1%rdg.+5dgt.)	
	Current measurement	Range/resolution/accuracy 1.0uA-9999uA /10.00-20.00mA /0.1uA, 1uA, 0.01mA / ± (1%rdg.+5dgt.)	
	Contact detection	On/off 0.000mA-20.00mA	
Maximum capacitive	1μF<1000V, 0.75μF<2KV, 0.5uF<3KV, 0.8μF < 4KV, 0.4μF < 5KV		
absolutely edge electricity The resistance measuring try	Output capacity	120 VA (6000V/20mA)	
	Output	Range/resolution/accuracy 25V-6000V / 1V / ± (1%rdg.+5dgt.)	
	Resistance	Radius 0.100MΩ-100.00 GΩ	
	Resistance	Range 0.100MΩ-100.00 GΩ; 0.000 indicates	
	Time setting	Range/resolution/precision 1.0s-999.9s /0.1S /± (0.1%rdg.+5dgt.)	
	Resistance measurement	Range/accuracy	25V-100V
			0.100MΩ -500 MΩ ± (15%rdg.+2dgt.)
			100V-499V
			0.100MΩ-2.000GΩ ± (5%rdg.+2dgt.)
			500V-799V
1.000MΩ-999.9MΩ ± (2%rdg.+2dgt.)			
1.000GΩ-9.999GΩ ± (5%rdg.+2dgt.)			
Maximum capacitive load		10.00GΩ-50.00GΩ ± (15%rdg.+2dgt.)	
		800V-6000V	
		1.000MΩ-999.9MΩ ± (2%rdg.+2dgt.)	
		1.000 Gω-9.999 GΩ ± (5%rdg.+2dgt.)	
		10.00GΩ-100.00GΩ ± (15%rdg.+2dgt.)	
		1μF<1000V, 0.75μF<2KV, 0.5μF<3KV, 0.08μF < 4KV, 0.04μF < 5KV	

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Ground Resistance Test	Rated output	Range	Maximum test current 40A, maximum measurement resistance 600mΩ, open resistance <8V
	Output current	Range/resolution/error	2.0A-40A/AC resolution: 0.1A Error: ± (1% x set point +2 words)
	Current fluctuation	Range	Less than or equal to 0.4% x set point/minute
	Output voltage	Range/resolution/error	2.0-8.0V/AC resolution: 0.1V Error: ± (1% x set point +2 words)
	Output frequency	Range/accuracy	50/60HZ accuracy: ±0.1HZ
	Resistance lower limit setting	Range	Scope: 2A ≤ Output current <10A:10~600mΩ 10A ≤ output current <20A:10~300mΩ 20A ≤ output current <30A:10~200mΩ 30A ≤ Output current ≤40A:10 to 150 MΩ Decision error: <100mΩ, ±(1% x set value +1mΩ); ≥100mΩ, ±(1% x setpoint +2 words)
	Resistance measurement	Range/resolution/error	Range :(10.0 to 99.9)mΩ, (100 to 600)mΩ, Resolution :0.1/1mΩ; Measurement error: <100mΩ, 1% x reading value +1mΩ; ≥100mΩ, (1% x reading value +2 words)
	Voltage measurement	Range/resolution/error	Range (2.00 ~ 8.00) VAC, resolution: 0.1 V, error: - (1% * reading value + 2 words), voltage display mode
	Test time	Range/resolution/error	Range: (1.0~999.9)s, resolution :0.1s, error :± (0.2%× set value +1 word)
Resistance compensation	(0 ~ 200)M Ω		
its Refers to the mark	Arc detection		0 Off 1-9 (1 is most sensitive)
	External interface		RS232 (RS485 optional) PLC LAN
	Use environment		0°C~40°C, 20%RH~70%RH
	Power supply interface		AC220V, 50/60Hz
	Heavy weight		27KG
	Exterior dimensions		436mm x 133mm x 596mm (WxHxD) without foot, foot height 15mm