

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 electrical safety standards;
- AC withstand voltage, DC withstand voltage, insulation resistance items automatic connection test;
- Arc detection function, product test arc alarm output lock, prevent continuous arc discharge product burn caused by irreparable damage;
- Filter function, for capacitive substance test, can relatively maintain data stability in the test, reduce the data surge caused by capacitor charge and discharge;
- Discharge function, set the discharge time according to the capacitance, display the discharge process voltage, and intuitively understand the discharge result;
- 30 test groups, each group of 8 test steps, easy to operate;
- RS232 interface, PLC interface, network port communication(LAN).

National Service hotline: 4008-515-616

No.38 Longfei Road, Chengyang District, Qingdao

Official website: www.ruijie-ate.com

Specification

Model		RJ1838H
Hand in flow Resistance to pressure measuring try	Output capacity	500VA(5000V/100mA)
	Output	Range/resolution/accuracy 50V~5000V / 1V / $\pm (1\%rdg.+5dgt.)$
	Voltage	Range/accuracy 50Hz / 60Hz $\pm 0.1\%$
	Current	Range 0.000mA~100.0mA
	Upper current	Range 0.000mA~100.0mA
	Time Settings	Range/resolution/accuracy 1.0s ~999.9s /0.1s/ $\pm (0.1\%rdg.+5dgt.)$
	Current measurement	Range/resolution/accuracy 0.001mA~100.0 mA /0.001mA、0.01mA、0.1mA / $\pm (1\%rdg.+5dgt.)$
straight flow Resistance to pressure measuring try	Output capacity	120 VA (6000V/20mA)
	Output	Range/resolution/accuracy 25V~6000V / 1V / $\pm (1\%rdg.+5dgt.)$
	Current lower	Range 0.0μA~20000μA
	Upper current	Range 1.0μA~20000μA
	Time Settings	Range/resolution/precision 1.0s ~999.9s /0.1s / $\pm (0.1\%rdg.+5dgt.)$
	Current measurement	Range/resolution/accuracy 1.0μA~9999μA /10.00~20.00mA /0.1μA、1μA、0.01mA / $\pm (1\%rdg.+5dgt.)$
	Contact detection	On/off 0.1μA~999.9μA/1000μA~20000μA
absolutely edge electricity The resistance measuring try	Maximum capacitive	1μF<1000V , 0.75μF<2KV , 0.5uF<3KV ,0.8μF < 4KV,0.4μF < 5KV
	Output capacity	120 VA (6000V/20mA)
	Output	Range/resolution/accuracy 25V~6000V / 1V / $\pm (1\%rdg.+5dgt.)$
	Resistance	Radius 0.100MΩ~100000 MΩ
	Resistance Upper limit setting	Range 0.100MΩ~100000 MΩ; 0.000 indicates that the upper limit is not judged
	Time setting	Range/resolution/precision 1.0s ~999.9s /0.1s / $\pm (0.1\%rdg.+5dgt.)$
	Resistance measurement	Range/accuracy 25V~99V: 0.100MΩ~500 MΩ $\pm (15\%rdg.+2dgt.)$ 100V~499V: 0.100MΩ~2.000GΩ $\pm (5\%rdg.+2dgt.)$ 500V~799V: 1.000MΩ~999.9MΩ $\pm (2\%rdg.+2dgt.)$ 1.000GΩ~9.999GΩ $\pm (5\%rdg.+2dgt.)$ 10.00GΩ~50.00GΩ $\pm (15\%rdg.+2dgt.)$ 800V~6000V: 1.000MΩ~999.9MΩ $\pm (2\%rdg.+2dgt.)$ 1.000GΩ~9.999GΩ $\pm (5\%rdg.+2dgt.)$

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			10.00GΩ~100.00GΩ ± (15%rdg.+2dgt.)
	Maximum capacitive load		1μF<1000V , 0.75μF<2KV , 0.5μF<3KV , 0.08μF<4KV, 0.04μF<5KV
Ground Resistance Test	Rated output	Range	240VA (40A/150mΩ)
	Output current	Range/resolution/error	2.00A~40.0A/0.01A、0.1A/± (1%rdg.+2dgt.)
	Current fluctuation	Range	≤0.4%rdg./min
	Output voltage	Range/resolution/error	2.00~8.00V /0.01V/± (1%rdg.+2dgt.)
	Output frequency	Range/accuracy	50Hz / 60Hz ±0.1%
	Upper resistance setting	Range/resolution/error	10.0mΩ~600mΩ / 0.1mΩ 1mΩ
	Lower resistance setting	Range/resolution/error	0.0mΩ~100mΩ / 0.1mΩ 1mΩ
	Resistance lower limit setting	Range	2.00A~9.99A: 10.0mΩ ~99.9mΩ ± (1%rdg.+1mΩ) 100mΩ ~600mΩ ± (1%rdg.+2dgt.) 10.0A~19.9A: 10.0mΩ~99.9mΩ ± (1%rdg.+1mΩ) 100mΩ ~300mΩ ± (1%rdg.+2dgt.) 20.0A~29.9A: 10.0mΩ ~99.9mΩ ± (1%rdg.+1mΩ) 100mΩ ~200mΩ ± (1%rdg.+2dgt.) 30.0A~40.0A: 10.0mΩ ~99.9mΩ ± (1%rdg.+1mΩ) 100mΩ ~150mΩ ± (1%rdg.+2dgt.)
	Voltage measurement	Range/resolution/error	2.00~8.00V / 0.01V /± (1%rdg.+2dgt.) Voltage display mode
	Test time	Range/resolution/error	1.0s ~999.9s /0.1s /± (0.1%rdg.+5dgt.)
its he Refers to the mark	Resistance compensation	Range/resolution/error	(0 ~ 200)M Ω
	Arc detection		0 off 1~9 (1 is most sensitive)
	Filter function		on/ off
	External interface		RS232(Optional:RS485),PLC,LAN interface
	Use environment		0°C~40°C,20%RH~75%RH
	Power supply interface		AC220V,50/60Hz
	Net weight		27kg
	Exterior dimensions		436mm x 133mm x 596mm (WxHxD) without foot, foot height 15mm

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	Attachment	1 manual, 1 power cord (1.5m), 1 communication cable (1.5m), 1 set of test wire (3 m), 1 set of ground test wire (1.5m), 1 D-type connector
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