

RJ6901A/C Li-ion Battery Cell Short Circuit Tester



Product Description

RJ6901A/C is an insulating resistance type battery cell short circuit tester, the output voltage is 25V ~ 1000VDC continuously adjustable; The test result is judged by the insulation resistance value or the leakage current value. It can meet the requirements of different test standards, and the setting parameters can be stored locally.

Key Features

- Wide range voltage output from 25V to 1000V, customizable version from 8V to 1000V;
- Wide capacity range testing, designed with delayed judgment function, automatically adapting to capacitive core testing;
- Memory function, setup parameters are automatically saved in the instrument, and it is convenient to call these parameters;
- Automatic upper and lower limit comparator, Audible and visual alarms for overlimit;
- Test terminals are designed on both front and rear panels to meet multiple types of on-site applications;
- RJ6901A can be configured with capacitive contact detection function, RJ6901C can be configured with physical contact detection function.
- Standardly equipped with automatic discharge module, automatic discharge after the completion of the test, safe and reliable;
- Standardly equipped with RS232 communication and PLC remote control ports to realize the automation data acquisition and remote control.

National Service hotline: 4008-515-616

No.38 Longfei Road, Chengyang District, Qingdao

Official website: www.ruijie-ate.com

Specification

Function	Technical specifications
Output Voltage/Resolution/Accuracy	25V~1000V/ 1V / $\pm(2\%\text{st.}+2\text{dgt.})$
Test Voltage/Resolution/Accuracy	25V~1000V/ 1V / $\pm(2\%\text{rdg.}+2\text{dgt.})$
Maximum Current	1mA
Output Method	Floating ground
Isolated Voltage	$\pm 1000\text{V}$
Ripple	5Vp-p(1000V no load);10Vp-p(1000V full load)
Load Adjustment Rate	1% (full load~no load)
Rise Time	15ms(No-load U_{max})
Automatic Discharging	20k Ω (1uF capacitor discharged at 1000V for 200ms/time constant RC)
Delay Time	0.1s~999.9s Accuracy: $\pm(0.1\%\text{st.}+1\text{dgt.})$
Test Time	0.5s~999.9s Accuracy: $\pm(0.1\%\text{st.}+1\text{dgt.})$
Insulation negative resistance	25V-1000V: 2.00M Ω ~199M Ω Accuracy: $\pm(2\%\text{rdg.}+5\text{dgt.})$
	200M Ω ~999M Ω Accuracy: $\pm(5\%\text{rdg.}+5\text{dgt.})$
	250V-1000V: 1000M Ω ~3999M Ω Accuracy: $\pm(5\%\text{rdg.}+5\text{dgt.})$
	500V-1000V: 4000M Ω ~9999M Ω Accuracy: $\pm(10\%\text{rdg.}+5\text{dgt.})$
Display Parameters	Insulation resistance/Leakage current
Comparator	Upper limit/Lower limit
Automatic detection	Continuous test, high voltage continuous output
Sampling speed	Fast/Medium/Slow
Storage Parameter	100 groups
External Interfaces	RS232(Optional: RS485), PLC
Operating Environment	0°C~40°C,20%RH~75%RH
Power Supply	AC220V,50/60Hz
Net weight	6.2kg
External Dimension	300mm×88mm×380mm(W×H×D) without foot, foot height 15mm
Attachment	1 manual, 1 power cord (1.5 m), 1 communication wire (1.5 m), 1 set of test wire (1 m) (1 set of meter pen), 1 D-type connector

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