RJ6901A/C　Li-ion Battery Cell Short Circuit Tester

Product Description

RJ6901 It is an insulation resistance type battery cell short circuit tester with continuously adjustable output voltage from 25V to 1000VDC; the test result is determined by insulation resistance value or leakage current value; built-in high-speed core processor, comparator, timer and other digital modules to meet the needs of different test standards, and the setup parameters can be locally memorized and stored.

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;

- Capacitive contact detection function and physical contact detection function can be optionally configured;

- 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.

Specification

Function	Technical specifications	
Output Voltage/Resolution/Accuracy	25V～1000V/1V/±(2%st.+2dgt.)	
Test Voltage/Resolution/Accuracy	25V～1000V/1V/±(2%rdg.+2dgt.)	
Maximum Current	1mA	
Output Method	Floating ground	
Isolated Voltage	±1000V	
Ripple	5Vp-p(1000V no load);10Vp-p(1000V full load)	
Load Adjustment Rate	1% (full load～no load)	
Rise Time	15ms(No-load Umax)	
Automatic Discharging	20kΩ(1uF capacitor discharged at 1000V for 200ms/time constant RC)	
Delay Time	0.1s~999.9s	Accuracy: ±(0.1%st.+1dgt.)
Test Time	0.5s～999.9s	Accuracy: ±(0.1%st.+1dgt.)
Insulation negative resistance	25V-1000V：　2.00MΩ~199MΩ	Accuracy: ±(2%rdg.+5dgt.)
	200MΩ~999MΩ	Accuracy: ±(5%rdg.+5dgt.)
	250V-1000V：1000MΩ~3999MΩ	Accuracy: ±(5%rdg.+5dgt.)
	500V-1000V：4000MΩ~9999MΩ	Accuracy: ±(10%rdg.+5dgt.)
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/PLC;(Optional: RS485	
Operating Environment	0°C~40°C,20%RH～70%RH	
Power Supply	AC220V,50/60Hz,100VA	
Weight	6.2kg	
External Dimension	300mm×88mm×380mm(W×H×D) excluding the feet height, the feet height is15mm.	
Attachment	1 Instruction manual.1 power cord (1.5 m) ,1communication line (1.5 m) ,1 test line (1 m)	