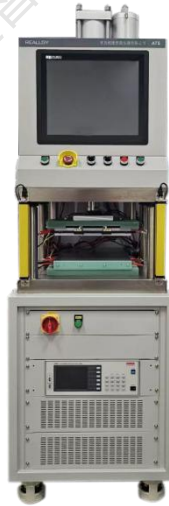


RJ8500 Lithium battery Core (diaphragm) Breakdown Analysis System



Product Description

RJ8500 lithium battery core (diaphragm) breakdown analysis system is a lithium battery core, diaphragm insulation products in the heating, pressurized conditions for breakdown analysis of a (micro) short-circuit test system. The system adopts open hardware and software architecture, and provides RJ69 series pulse type Li-ion battery core short circuit tester developed by Ruijie Instrument, which can be programmed to control the heating and pressurization, and can store the test data automatically. It Meets the needs of laboratories, incoming material inspection, etc., to analyze the breakdown state of the diaphragm material under hot pressing condition.

Key Features

- 100V to 2000V continuous voltage output, 1V step, status determination based on breakdown analysis characteristics;
- With the breakdown analysis function, it is able to detect the ultimate intrinsic breakdown voltage value of the diaphragm;
- With auto-detection function, it automatically starts a test when it detects that the battery cell is

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connected;

- With the function of discharging the electrostatic charge of the core after the completion of the test, to improve the safety of personnel and equipment; Pressure, temperature and pressing time are set according to actual requirements;
- The industrial computer can store the test result data and export it later;
- It can be tested continuously and supports manual line testing

Specification

RJ6902R Instrument Part	
Voltage Output	Range:50V~2000V Resolution :1V Accuracy: $\pm(1\%st.+1d$
Capacity of Cell	120000nF
Pulse Waveform Test Time	Range:20ms~1000ms Resolution :1ms Accuracy: $\pm(0.5\%st.+1dgt.)$
Insulation Resistance Test	50V-300V 2.0M Ω -99.9M Ω $\pm(2\%rdg.+2dgt.)$
	100M Ω -750M Ω $\pm(2\%rdg.+2dgt.)$
	301V-700V 2M Ω -2000M Ω $\pm(3\%rdg.+2dgt.)$
	701V-1150V 5M Ω -3000M Ω $\pm(4\%rdg.+2dgt.)$
	1151V-2000V 10M Ω -4000M Ω $\pm(5\%rdg.+2dgt.)$
	4001M Ω -9999M Ω $\pm(15\%rdg.)$
Insulation Resistance Test time	0.1s~999.9s Accuracy: $\pm(0.1\%st.+0.1dgt.)$
Discharge resistance	10k Ω
Liquid crystal display	5.6 inch
Judgment parameters	Charging Time Tp, Output Voltage Vp, Drop Voltage Vd, Insulation Resistance R
Test Mode	Voltage maintenance, free discharge
Extended Functions	Automatic detection, breakdown analysis
External Interfaces	Standard: PLC (switching), RS232, USB storage; optional: LAN interface, RS 485
Operating Environment	0 $^{\circ}$ C~40 $^{\circ}$ C,20%RH~70%RH
Power Supply	AC220V,50/60Hz,200VA
Weight	10.7kg
Hot pressing operation table	
Temperature range	<120 $^{\circ}$ C, resolution 1 $^{\circ}$ C
Pressure adjustment range	500kgf~5000kgf, resolution 100kgf
Stroke of upper platen	145mm
Size of upper platen	210mm \times 210mm(can be customized according to diaphragm size)
Lower heating table size	210mm \times 300mm(can be customized according to diaphragm size)

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