

RJ8830 Wiring Harness Comprehensive Test System



System Introduction

RJ8830 series wire harness comprehensive test system is an automatic test equipment developed for wire harness, FPC, CCS of new energy battery packs, electric vehicles, home appliances and other products. The test items include multi-channel on-state, on-low resistance, AC/DC withstand voltage, insulation resistance, NTC temperature sensor, etc.

The automatic test system adopts open hardware and software architecture. According to the function and performance testing requirements of the tested product, it is equipped with custom-developed AC and DC voltage insulation tester, DC low resistance tester, multi-channel scanning unit, high voltage isolation unit and other test equipment. Industrial computers equipped with customized upper computer software, for users to achieve research and development precision testing, production high-speed testing, quality sampling testing and other customized testing needs, to provide a complete set of reliable testing solutions.

Key Features

- **Function Customization:** Equipped with various standard measurement and test equipment for different test requirements, customized PC software and automatic test process;
- **Precision Optimization:** Equipped with high-precision DC low resistance tester, using four-wire system

National Service hotline: 4008-515-616

No.38 Longfei Road, Chengyang District, Qingdao

Official website: www.ruijie-ate.com

to achieve high-precision measurement of low resistance;

- **Project Optimization:** Designed a special standard test project library according to relevant inspection and test standards;
- **Safe and efficient:** according to the test items and requirements of the product under test, customized high-voltage isolation unit, automatic scanning and switching during the test process, safe and reliable;
- **Informatization:** Automatically invoke the detection process according to the input QR code information; Automatically bind the product code under test and test data results; Output test reports according to requirements.

Specification

Serial number	Testing functions	Test Parameters
1	Multi-channel Quantity Configuration	10CH~500CH
2	Wiring harness on-off test	ON/OFF
3	AC Voltage Withstand Test	100V~5000V/0.10mA~100mA
4	DC voltage withstand test	100V~6000V/0.001mA~10.000mA
5	Insulation Resistance Test	100V~1000V/1M Ω ~50G Ω
6	Wiring Harness On-Resistance Test	0.01 $\mu\Omega$ ~100M Ω
7	NTC resistance test	0.01 $\mu\Omega$ ~100M Ω