RJ6000 Safety Comprehensive Test System

System Introduction

RJ6000 safety comprehensive test system is a safety testing equipment integrating safety comprehensive tester, industrial control machine and upper computer software. It is designed for safety testing and data traceability of electrical products, and has functions such as data storage, query, export and qualification rate statistics.

System Configuration

- **Safety Performance Comprehensive Tester**: Grounding, insulation, Voltage withstand, leakage safety test, voltage, current, power electrical parameter test;
- **Programmable variable frequency power supply**: Provide working power supply for the product under test;
- **All-in-one computer**: Setting, displaying, storing and querying test data.

Key Features

- Query mode and control mode can be set to meet customers' different test requirements;
- Cabinet is the test bench, convenient for product testing;
- Barcode scanning, accurately store and trace each product test data;
- Test data report format can be customized according to customer needs.

Specification

Function			Technical specifications
Ground resistance test	Open circuit output voltage		<12V
	Output Current Setting	Range/Resolution/Ac	3A～30A / 1A / ±(3%rdg.+0.1A)
	Current Frequency	Range/Accuracy	50Hz / 60Hz / ±0.1%
	Resistance limit setting	Range/Resolution	3A～10A： 1mΩ～600mΩ / 1mΩ 11A～25A：1mΩ～300mΩ / 1mΩ 26A～30A：1mΩ～200mΩ / 1mΩ
	Lower resistance limit	Range/Resolution	0mΩ～100mΩ / 1mΩ
	Time setting	Range/Resolution/Ac	1.0s～999.9s / 0.1s / ±(1%st.+2dgt.)
	Resistance	Range/Resolution/Ac	1mΩ～600mΩ / 1mΩ / ±(3%rdg.+5dgt.)
Insulation Resistance Test	Up		2VA(1000V/2mA)
	Output Voltage	Range/Resolution/Ac	200V～1000V / 1V / ±(3%rdg.+3dgt.)
	Lower resistance limit	Range/Resolution	0.3MΩ～99.9MΩ/100MΩ～2000MΩ/ 0.1MΩ/1MΩ
	Resistance limit setting	Range/Resolution	0.0MΩ～99.9MΩ/100MΩ～2000MΩ/ 0.1MΩ/1MΩ
	Time setting	Range/Resolution/Ac	1.0s～999.9s / 0.1s / ±(1%st.+2dgt.)
	Resistance Measurement	Range/Resolution/Accuracy	1.0 MΩ～99.9MΩ/0.1MΩ/±(3%rdg.+3dgt.) 100 MΩ～2000MΩ/ 1MΩ /±(8%rdg.+8dgt.)
AC Voltage Withstand Test	Output Capacity		100VA
	Output Voltage	Range/Resolution/Ac	300V～5000V / 1V / ±(3%rdg.+10dgt.)
	Voltage	Range/Accuracy	50Hz / 60Hz / ±0.1%
	Current lower limit	Range/Resolution	0.00mA～20.00mA/0.01mA
	Current Upper Limit	Range/Resolution	0.10mA～20.00mA /0.01mA
	Time setting	Range/Resolution/Ac	1.0s～999.9s / 0.1s/±(1%st.+2dgt.)
	Current Measurement	Range/Resolution/Accuracy	0.10mA～20.00mA/0.01mA/±(3%rdg.+3dgt.)
DC voltage withstand test	Output Capacity		40VA
	Voltage	Range/Resolution/Ac	300V～4000V/ 1V /±(3%rdg.+20dgt.)
	Current lower limit	Range/Resolution	0.000mA～9.999mA/0.001mA
	Current Upper Limit	Range/Resolution	0.100mA～9.999mA/0.001mA
	Time setting	Range/Resolution/Ac	1.0s～999.9s / 0.1s/±(1%st.+2dgt.)
	Current Measurement	Range/Resolution/Ac	0.010mA～9.999mA/0.001mA/±(3%rdg.+5dgt.)
Leakage	Current lower limit	Range/Resolution	0μA ～9999μA / 1μA

	Current lower limit	Range/Resolution	50μA～9999μA / 1μA
	Time setting	Range/Resolution/Ac	2.0s～999.9s / 0.1s/±(1%st.+2dgt.)
	Voltage measurement	Range/Resolution/Ac	60V～280V / 1V /±(0.5%rdg.+2dgt.)
	Current Measurement	Range/Resolution/Ac curacy	50μA ～9999μA / 1μA / DC ～10kHz：±(3%rdg.+10dgt.) 10kHz～ 1MHz：±(5%rdg.+50dgt.)
Start-up test	Current upper	Range/Resolution	0.00A～25.00A / 0.01A
	Time setting	Range/Resolution/Ac	1.0s～999.9s /0.1s/±(1%st.+2dgt.)
	Voltage measurement	Range/Resolution/Ac	60V～280V/1V/±(0.5%rdg.+2dgt.)
	Current Measurement	Range/Resolution/Ac curacy	0.030A～3.999A /0.001A/±(0.5%rdg.+20dgt.) 4.00A～25.00A/0.01A /±(0.5%rdg.+2dgt.)
Power Test	Power upper and	Range/Resolution	0W～6000W / 1W
	Time setting	Range/Resolution/Ac	1.0s～999.9s /0.1s/±(1%st.+2dgt.)
	Voltage measurement	Range/Resolution/Ac	60V～280V/1V /±(0.5%rdg.+2dgt.)
	Current Measurement	Range/Resolution/Ac curacy	0.030A～3.999A /0.001A/±(0.5%rdg.+20dgt.) 4.00A～25.00A /0.01A /±(0.5%rdg.+2dgt.)
	Power Measurement	Range/Resolution/Ac curacy	30.0W～199.9W/0.1W /±(0.5%rdg.+50dgt.) 200W～ 6000W/1W /±(0.5%rdg.+30dgt.)
	Power Factor	Range/Resolution/Ac	0.10～1.00 /0.01 /±(2%rdg.+2dgt.)
Open test	Resistance upper	Range/Resolution	1Ω～500Ω/ 1Ω
	Time setting	Range/Resolution/Ac	1.0s～999.9s /0.1s/±(1%st.+2dgt.)
	Resistance	Range/Resolution/Ac	1Ω～500Ω/ 1Ω /±(2%rdg.+2dgt.)
Other indicators	External Interfaces		RS232, PLC, power supply communication interface, alarm light interface
	Operating Environment		0℃～40℃，20%RH～75%RH
	Power Supply		AC220V，50/60Hz
	External Dimension		800mm×800mm×670mm(W×H×D)without foot