

RJ6000 Safety Comprehensive Test System



System Introduction

RJ6000 safety comprehensive test system is an integrally designed safety test system and it meets the needs of electrical production safety testing, with data storage, query function, to provide data traceability for the product.

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

- Tester and computer communication, query mode and control mode, so that the test data is controlled by different modes of uploading. Meet the needs of different test methods of customers;
- All-in-one computer, the cabinet is the desktop, and it can meet the demand for small space placement;
- Barcode scanning, accurately store and trace each product test data;

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- 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 |
| | 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 | Range/Resolution/Ac 1.0MΩ~99.9MΩ/0.1MΩ/±(3%rdg.+3dgt.) |
| | Measurement | Accuracy 100MΩ~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.) |

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| Leakage current test | Current lower limit | Range/Resolution | 0 μ A~9999 μ A/1 μ A |
| | Current lower limit | Range/Resolution | 50 μ A~9999 μ A/1 μ A |
| | Time setting | Range/Resolution/Ac | 2.0s~999.9s/0.1s \pm (1%st.+2dgt.) |
| | Voltage measurement | Range/Resolution/Ac | 60V~280V/1V \pm (0.5%rdg.+2dgt.) |
| | Current Measurement | Range/Resolution/Ac curacy | 50 μ A~9999 μ A/1 μ A/ DC~10kHz: \pm (3%rdg.+10dgt.) |
| Start-up test | Current upper | Range/Resolution | 0.00A~25.00A/0.01A |
| | Time setting | Range/Resolution/Ac | 1.0s~999.9s/0.1s \pm (1%st.+2dgt.) |
| | Voltage measurement | Range/Resolution/Ac | 60V~280V/1V \pm (0.5%rdg.+2dgt.) |
| | Current Measurement | Range/Resolution/Ac curacy | 0.030A~3.999A/0.001A \pm (0.5%rdg.+20dgt.) 4.00A~25.00A/0.01A \pm (0.5%rdg.+2dgt.) |
| Power Test | Power upper and | Range/Resolution | 0W~6000W/1W |
| | Time setting | Range/Resolution/Ac | 1.0s~999.9s/10.1s \pm (1%st.+2dgt.) |
| | Voltage measurement | Range/Resolution/Ac | 60V~280V/1V \pm (0.5%rdg.+2dgt.) |
| | Current Measurement | Range/Resolution/Ac curacy | 0.030A~3.999A/0.001A \pm (0.5%rdg.+20dgt.) 4.00A~25.00A/0.01A \pm (0.5%rdg.+2dgt.) |
| | Power Measurement | Range/Resolution/Ac curacy | 30.0W~199.9W/0.1W \pm (0.5%rdg.+50dgt.) 200W~6000W/1W \pm (0.5%rdg.+30dgt.) |
| | Power Factor | Range/Resolution/Ac | 0.10~1.00/0.01 \pm (2%rdg.+2dgt.) |
| Open test | Resistance upper | Range/Resolution | 1 Ω ~500 Ω /1 Ω |
| | Time setting | Range/Resolution/Ac | 1.0s~999.9s/0.1s \pm (1%st.+2dgt.) |
| | Resistance | Range/Resolution/Ac | 12~500 Ω /1 Ω \pm (2%rdg.+2dgt.) |
| Other indicators | External Interfaces | | RS232, PLC, power supply communication interface, |
| | Operating Environment | | 0 $^{\circ}$ C~40 $^{\circ}$ C,20%RH~70%RH |
| | Power Supply | | AC220V,50/60Hz |
| | External Dimension | | 800mm \times 800mm \times 670mm(W \times H \times D) excluding the feet |