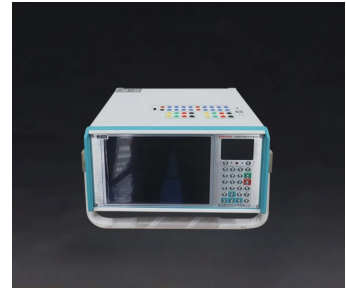


HF-RT-201

6 Phase Relay Test set



This 6 Phase Relay Test set supports comprehensive Protective Relay Testing. It outputs six independent voltage and current sources to simulate complex grid faults, accurately calibrate all types of protection relays complying with IEC and ANSI criteria for power substations.

Key features

- It complies with GB/T 7261 Basic Test Methods for Relay Protection and Safety Automatic Devices and DL/T 624-2010 Technical Conditions for Microcomputer Relay Protection Test Devices.
- The built-in system recovery function avoids system breakdown caused by illegal shutdowns or misoperations.
- The front panel has ultra-thin multifunctional shortcut keys and an optical mouse; users can operate the device via keyboard and mouse just like a regular PC.
- The high-linearity power amplifier guarantees both tiny current accuracy and stable large current output.
- A USB port enables direct PC connection without adapter cables for convenient wiring.

Technical specifications

Parameter	Value
Single-phase current output (RMS)	0~30A per phase, accuracy: 0.2% ±5mA
6-phase parallel output (RMS)	0~180A, six phases parallel with identical phase
Long-term permissible operating current per phase (RMS)	9.9A
Max output power per phase	320VA
Max total output power for six parallel currents	1800VA
Max allowable working time for combined six currents	5s
Frequency range	0~1000Hz, accuracy: 0.01Hz
Harmonic order	2~20 orders
Phase	0~360°, accuracy: 0.1°
DC current output	0~±10A per phase, accuracy: 0.5% ±5mA
Single-phase voltage output (RMS)	0~120V per phase, accuracy: 0.2% ±5mV
Line voltage output (RMS)	0~240V
Phase/Line voltage output power	75VA / 100VA
Frequency range	0~1000Hz, accuracy: 0.01Hz
Harmonic order	2~20 orders
Phase	0~360°, accuracy: 0.1°
Single-phase voltage peak output	0~±160V, accuracy: 0.5% ±5mV
Line voltage peak output	0~320V
Phase/Line voltage output power	90VA / 180VA
Digital input terminals	8 pairs
Idle contact	1~20mA, 24V built-in power supply inside device
Potential reversal	Passive contact: low-resistance short-circuit signal Active contact: 0-250V DC/AC

Parameter	Value
Digital output terminals	4 pairs, idle contacts; breaking capacity: DC:0-30V/5A, AC:0-250V/5A
Time range	1ms~9999s, measurement accuracy: 1ms
Overall dimension & weight	418×363×208mm, approx. 17.8Kg
Power supply	AC220V±10%, 50/60Hz, 10A

Standard scope of supply

No.	Item	Qty	Notes
1	6 Phase Protective Relay Test Set Main Unit	1 Set	Core host equipment
2	AC220V Power Supply Cord	1 Pcs	For mains power connection
3	6-channel Current Output Test Lead Assembly	1 Set	Complete current testing wiring
4	6-channel Voltage Output Test Lead Assembly	1 Set	Complete voltage testing wiring
5	Digital Input & Output Signal Cable Set	1 Set	For switch signal connection
6	DC Auxiliary Power Wiring Harness	1 Set	For 110V/220V auxiliary power output
7	USB Communication Cable	1 Pcs	Connection between host and computer
8	Keyboard & Optical Mouse	1 Set	On-site operation control
9	Software Installation CD + Manual USB Flash Drive	1 Set	Operating program & electronic documents
10	English Printed Operation Manual	1 Copy	Official operation guide
11	Factory Calibration Certificate	1 Copy	ISO recognized calibration document
12	Factory Quality Inspection Report	1 Copy	Pre-delivery quality test record
13	Spare Fuses Pack	1 Pack	Consumable spare parts
14	Export Shockproof Wooden Case	1 Pcs	Foam inner lining, for sea/air transportation

Compliance and documents

Applicable standards	[TO BE CONFIRMED] standard applied to this model
Calibration certificate	[TO BE CONFIRMED]
Optional accessories	[TO BE CONFIRMED]

Warranty and support

12-month warranty on every exported instrument. English operation manual and remote video guidance at commissioning. T/T, L/C at sight and deposit terms for bulk orders; sea, air or rail shipping.