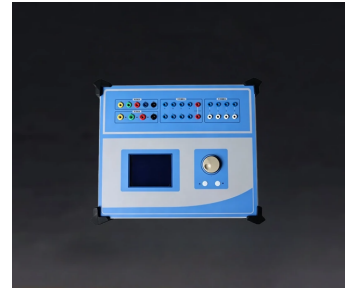


HF-RT-202

3 Phase Relay Test set



This 3 Phase Relay Test Set performs full-range Protective Relay Testing. It outputs three independent voltage and current sources to simulate various grid faults, calibrating substation protection relays strictly compliant with IEC and ANSI international power industry specifications.

Key features

- All technical parameters fully comply with DL/T624-1997 Technical Conditions for Microcomputer-Based Relay Protection Test Devices issued by the Ministry of Electric Power.
- Inspect the tester, test leads, power cord and all accessories for intactness before use.
- Place the unit on a flat, stable platform; connect the AC220V power supply firmly.
- Confirm the tested relay/protection device is fully powered off and grounded safely to avoid electric hazards.
- Connect 3-phase current output terminals and 4-phase voltage output terminals of the tester to the corresponding secondary terminals of the protective relay via insulated test wires.

Technical specifications

Parameter	Value
Single-phase current output (RMS)	0~30A per phase, accuracy: 0.2% ±5mA
3-phase parallel output (RMS)	0~90A, three phases output in parallel with identical phase
Long-term permissible continuous working current per phase (RMS)	10A
Maximum output power per phase	300VA
Max total output power for three parallel currents	800VA
Max allowable working duration for combined 3-phase parallel current	10s
Frequency range	0~1000Hz, accuracy: 0.01Hz
Harmonic orders	2~20 orders
Phase angle	0~360°, accuracy: 0.1°
DC current output	0~±10A per phase, accuracy: 0.2% ±5mA
Single-phase voltage output (RMS)	0~125V per phase, accuracy: 0.2% ±5mV
Line voltage output (RMS)	0~250V
Output power (Phase voltage / Line voltage)	75VA / 100VA
Frequency range	0~1000Hz, accuracy: 0.001Hz
Harmonic orders	2~20 orders
Phase angle	0~360°, accuracy: 0.1°
Peak value of single-phase voltage output	0~±150V, accuracy: 0.2% ±5mV
Peak value of line voltage output	0~±300V
Output power (Phase voltage / Line voltage)	90VA / 180VA
Digital input terminals	8 pairs

Parameter	Value
Idle contact	1~20mA, built-in 24V power supply inside the device
Potential reversal	Passive contact: low-resistance short-circuit signal Active contact: 0~250V DC
Digital output terminals	4 pairs, vacant contacts; Breaking capacity: 110V/2A, 220V/1A
Time range	1ms~9999s, measurement accuracy: 1ms
Dimension & Weight (Portable model)	Overall size: 338 × 168 × 305 mm, approx. 12 kg
Power Supply	AC 220V ±10%, 50Hz, 10A

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.