

HF-RT-204

Portable Relay Test set



Portable Relay Test Set supplies adjustable AC and DC voltage & current to simulate grid faults. It precisely measures trip time and pickup values for diverse power protection relays, ideal for on-site routine calibration and maintenance work.

Key features

- Equipped with an industrial-grade 10-inch OLED touch screen for operation & display, featuring a user-friendly human-machine interface for easy operation and rapid testing.
- Built-in overheating and overload protection functions to guarantee safety for both operators and tested equipment.

Technical specifications

Parameter	Value
Power Supply	DC 16.8V dedicated adapter, built-in rechargeable lithium battery
Lithium Battery Capacity	11200mAh
Voltage Output	4 channels Phase voltage: 0~130V AC Line voltage: 0~250V AC
Rated Load Power	≥30VA
Voltage Output Accuracy	Class 0.2
Current Output	3 channels, 0~15A, load power ≥30VA
Current Output Accuracy	Class 0.2
Output Response Time	<100us
Output Frequency Range	10 ~ 1000Hz; Resolution: 0.001 Hz
Phase Adjustment	Range: ±360°, Error: <0.2°, Resolution: 0.1°
Voltage & Current Synchronization	<20us
Maximum Time Measurement Range	36000 s
Digital Input	2 channels, compatible with 0~250VDC or dry contacts (auto identification)
Digital Output	2 channels, non-polar electrically isolated dry contacts
Auxiliary DC Output	1 channel, 110-220VDC, 0.5A
DC Small Signal Output	±(0-5)V DC, ±(0-500)mV DC, ±(4-20)mA DC
Time Measuring Range	1ms ~ 999.99s
Timing Accuracy	±1ms (0.001~1s); ±0.1% (1~999.999s)
Communication Interfaces	1 × USB port, 1 × Ethernet port
Overall Dimensions (H×W×D)	310mm × 240mm × 80mm
Net Weight	≤4.5kg

Standard scope of supply

No.	Item	Qty	Notes
1	Portable Relay Test Set Main Unit	1 Set	Core testing host
2	DC 16.8V Power Adapter & Charging Cable	1 Set	For battery charging & mains power supply
3	Full Set Voltage & Current Test Connection Cables	1 Set	Alligator clips, insulated test leads for secondary injection testing

No.	Item	Qty	Notes
4	Digital Input / Output Wiring Harness	1 Set	For trip contact signal connection
5	User Operation Manual (English Version)	1 Pc	Detailed operation & parameter guide
6	Factory Calibration Certificate	1 Pc	Metrology calibration document for power industry acceptance
7	Hard Shockproof Carrying Case	1 Pc	Portable storage for field transportation
8	Spare Fuse Kit	1 Pack	Consumable spare parts
9	Small Screwdriver Tool Kit	1 Set	For routine maintenance

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.