

HF-RT-203

Single phase relay test set



This portable single phase relay test set outputs adjustable AC/DC voltage and current to simulate power grid faults. It accurately tests pickup current, trip time of overcurrent, undervoltage and auxiliary relays for distribution system regular calibration.

Key features

- Measuring Relays: Capable of testing the pick-up value, reset value and reset coefficient of current relays and voltage relays.
- Timing Relays: Available to measure pick-up value, reset value and operating time.
- Auxiliary Relays: Test pick-up value, reset value, holding value and operating time for all types of auxiliary relays with operating coils and holding coils.
- Reclosing Relays: Support capacitor charging test, charging duration, reclosing time and testing of internal intermediate components.
- Differential Relays: Perform DC excitation test, braking characteristic test and volt-ampere characteristic test.

Technical specifications

Parameter	Value
Operating Conditions	Input Power Supply AC 220V ±10%, 50Hz
Ambient Temperature	-10°C ~ 40°C
Ambient Humidity	≤85%
Atmospheric Pressure	86 ~ 106 kPa
Output Power Sources	AC Voltage Output 0 ~ 220V, 3A
AC Current Output	0 ~ 100A / 7.5V 0 ~ 20A / 25V 0 ~ 5A / 5V
DC Voltage Output	0 ~ 220V, 3A
DC Current Output	0 ~ 20A / 25V
Fixed DC Output Voltage	DC24V, DC48V, DC110V, DC220V
Performance Specifications	Current & Voltage Meter 4½ digit digital display
Digital Millisecond Chronometer	Measuring range: 0 ~ 99.9999 s

Standard scope of supply

No.	Item	Qty	Notes
1	Single Phase Relay Test Set Main Unit	1 Set	Core equipment
2	AC220V Power Cord	1 Pcs	Mains power connection
3	Voltage & Current Test Lead Set	1 Set	For relay testing connection
4	Switch Signal Test Cables	1 Set	Trip & signal detection
5	English Operation Manual	1 Copy	Official operation guide
6	Factory Calibration Certificate	1 Copy	Test accuracy certification
7	Quality Inspection Report	1 Copy	Pre-delivery inspection
8	Spare Fuses	1 Pack	Consumable spare parts
9	Export Wooden Case / Carton	1 Pcs	Shockproof packaging

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.