

HF-RT-208

Overvoltage Protection Tester



This portable overvoltage protection tester precisely calibrates various surge protection devices. It outputs standard test voltage signals to verify protection performance, widely used in substations, electrical factories and power engineering maintenance work.

Key features

- Extremely easy operation: all measurement procedures are automatically completed under the control of a microprocessor without manual intervention.
- Integrated all-in-one structure with built-in high-voltage power supply, convenient for field testing and simplifying on-site wiring work.
- High-voltage protection: it rapidly cuts off output via short-circuit mode when the test sample suffers short circuit, breakdown or high-voltage current fluctuation.
- Low-voltage protection: protection will be triggered against wrong 380V connection, mains fluctuation or sudden power failure to avoid induced overvoltage.
- Misoperation prevention: real-time voltage and current display; clearly separated high/low voltage terminals; slow voltage rise & fast voltage drop plus audible alarm reminders.

Technical specifications

Parameter	Value
1	Output Voltage & Current Output Voltage: 0-30 kV (RMS) Output Current: 0-25 mA
2	Discharge Detection Method Waveform detection combined with Fourier transform
3	Measurement Accuracy Voltage: $\pm(2\% \text{ of reading} + 0.1)$ Current: $\pm(2\% \text{ of reading} + 0.1)$
4	High-Voltage Cut-off Time Less than 0.2 seconds
5	Resolution Voltage resolution: 0.001 kV Current resolution: 0.001 mA
6	Input Power Supply 180V ~ 270V AC, 50/60Hz $\pm 1\%$, compatible with mains electricity or generator power supply
7	Communication Interface Standard RS232 computer interface
8	Built-in Printer Mini thermal printer
9	Ambient Working Conditions Ambient temperature: -10°C ~ 50°C Relative humidity: <90%

Standard scope of supply

No.	Item	Qty	Notes
1	Overvoltage Protection Tester Main Unit	1 Set	Integrated high voltage host
2	High Voltage Insulated Test Cable	1 Set	For withstand voltage testing
3	Test Clips & Connecting Wires	1 Set	Auxiliary connection accessories
4	Power Cord	1 Pc	AC input power supply line
5	Thermal Printer Paper Rolls	2 Rolls	Spare printing consumables
6	English User Operation Manual	1 Copy	Complete operation & maintenance guide
7	Factory Calibration Certificate	1 Copy	Official metrological calibration document
8	Quality Inspection Report	1 Copy	Factory FAT test record

No.	Item	Qty	Notes
9	Shockproof Portable Carrying Case	1 Pc	For transportation & storage
10	Spare Fuses & Small Consumable Parts	1 Set	Replacement spare parts

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.