

HF-WC-628

SF6 Gas Density Relay Calibrator



SF6 Gas Density Relay Calibrator is a high-precision portable testing instrument dedicated to calibrating SF6 gas density relays on high-voltage switchgear. It automatically completes temperature compensation and pressure conversion, features stable performance and easy operation, widely applied in substation routine inspection and maintenance work.

Key features

- The entire testing process runs automatically without manual intervention, eliminating complicated manual adjustments of the gas circuit.
- Built-in rechargeable lithium battery (8~10 hours continuous working for outdoor no-power occasions)
- AC 220V mains power supply for indoor laboratory calibration.
- Store in dry, ventilated room, avoid vibration, moisture and dust;
- Release residual pressure inside the gas pipeline before storage;

Technical specifications

Parameter	Value
1	Operating Voltage AC 220V, 50Hz
2	Power Consumption 50W
3	Accuracy Class 0.2
4	Pressure Display Resolution 0.001 MPa
5	Pressure Calibration Range 0 ~ 1 MPa
6	Ambient Temperature Display Resolution 0.1°C
7	Ambient Temperature Measuring Range -20°C ~ 80°C
8	Operating Humidity <=90% RH (non-condensing)
9	Calibratable Relay Types Single alarm, single lockout, single alarm & single lockout, single alarm & double lockout
10	Display Screen 320×240 dot matrix monochrome LCD
11	Operation Mode Rotary jog shuttle (rotary mouse) input
12	Printer Type High-speed micro printer
13	Printing Mode Chinese test report formatted printing
14	Storage Capacity Up to 50 groups of test results
15	Overall Dimensions Main unit: 365×300×222 mm Accessory case: 400×370×200 mm
16	SF6 Gas Density Display Ambient actual pressure, equivalent pressure at 20°C
17	Instrument Weight 8 kg

Standard scope of supply

No.	Item	Qty	Notes
1	SF6 Gas Density Relay Calibrator Host	1 PCS	Main equipment
2	High-precision Pressure Test Hose	2 PCS	Test connecting pipeline
3	Universal Connecting Adapter	1 SET	Including various interface adapters
4	SF6 Filter & Pressure Relief Valve Assembly	1 SET	Gas circuit protection accessory

No.	Item	Qty	Notes
5	Built-in Rechargeable Battery	1 PCS	Built-in host
6	AC Power Charger & Power Cord	1 SET	International universal plug
7	USB Data Transmission Cable	1 PCS	Data export & device upgrade
8	Portable Waterproof Instrument Case	1 PCS	Equipment storage & transportation
9	Operation Manual	1 BOOK	Detailed operation guide
10	Factory Calibration Certificate	1 COPY	Measurement accuracy certification
11	Product Quality Warranty Card	1 COPY	After-sales warranty voucher
12	Software CD/ U Disk	1 PCS	PC data analysis software

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.