HF-WC-638

Portable SF6 Gas Leak Detector



The Portable SF6 Gas Leak Detector sensitively locates SF6 leakage on high-voltage switchgears and electrical equipment. It supports quick on-site inspection to prevent gas loss and guarantee safe operation of power facilities.

Key features

- Pump-sampling design with NDIR single-beam dual-wavelength infrared measurement technology, high detection sensitivity, accurate and stable readings.
- High-precision digital processing, drift control and temperature compensation circuits for strong anti-interference capability.
- Comprehensive self-check functions for low battery, sensor failure and over-range detection.
- Large color dot-matrix LCD display with full Chinese menu operation.
- Real-time data display during measurement, supporting dynamic waveform curve analysis.

Technical specifications

Parameter	Value
Detected gas	Sulfur hexafluoride (SF6)
Detection principle	Infrared
Measuring ranges	0-100, 0-200, 0-500, 0-1000, 0-2000, 0-3000 ppm (range selected per instrument)
Resolution	0.01 ppm (0-100 ppm range); 1 ppm above
Sampling method	Pumped sampling
Accuracy	Infrared ≤ ±3 % FS
Linearity error	≤ ±1 %
Response time	≤ 20 s
Explosion protection	Intrinsically safe, Ex ib IIC T3 Gb
Operating temperature	-20 °C to +70 °C
Data storage	10 000 records as standard, export via USB
Operating pressure	86-106 kPa
Dimensions	125 × 52 × 30 mm
Standard accessories	Manual, certificate of conformity, warranty card, USB charger with cable, aluminium carry case

Standard scope of supply

No.	Item	Qty	Notes
1	Portable SF6 Gas Leak Detector Main Unit	1 Set	Handheld type
2	Sampling Probe	1 Pc	Telescopic probe
3	Lithium Battery Pack	1 Pc	Rechargeable
4	AC Charger	1 Pc	
5	USB Data Cable	1 Pc	For data communication
6	Operation Manual (English & Chinese)	1 Copy	
7	Calibration Certificate	1 Copy	

Specifications are taken from the published product data and are subject to change without notice. Confirm critical parameters at the time of order.

No.	Item	Qty	Notes
8	Hard Carry Case	1 Pc	Shockproof transport case
9	Accessories Bag	1 Pc	Store small 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.

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