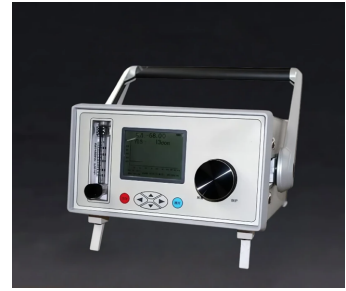


HF-WC-625

SF6 Dew Point Meter



SF6 Dew Point Meter is specially designed to measure trace moisture dew point value in SF6 insulating gas of GIS and circuit breakers. High-precision measurement effectively avoids internal insulation aging and metal corrosion caused by excessive water, ensuring safe operation of high-voltage power equipment.

Key features

- **Preheating Function** : The probe automatically heats up to 300°C~400°C upon startup, instantly evaporating residual oil stains and water vapor to avoid impurity interference during testing.
- **Gas-saving & Fast Measurement** : It takes roughly 5 minutes to complete dew point testing for each SF6 gas compartment once entering measurement mode.
- **Self-Locking Fittings** : Adopts German self-locking gas connectors, which are secure, reliable and completely leak-proof.
- **Data Storage** : Large-capacity memory supports storage of up to 50 groups of test records.
- **Measurement Curve Display** : Large screen visualizes the whole dew point measurement process in curve form.

Technical specifications

Parameter	Value
Dew Point Measuring Range	-80 °C ~ +20 °C
Measurement Accuracy	±0.2°C (-60°C ~ +20°C) ±2°C (-80°C ~ -60°C)
Response Time (at +20°C ambient)	63% signal: 5s; 90% signal: 45s (-60°C~+20°C) 63% signal: 10s; 90% signal: 240s (-80°C~-60°C)
Ambient Operating Temperature	-40°C ~ +60°C
Ambient Humidity Range	0 ~ 100% RH
Power Supply	AC 220V / Built-in rechargeable lithium battery
Battery Parameters	Charging time: 20 hours; Continuous runtime: ≥10 hours
Overall Weight	5 kg
Overall Dimensions	250×150×300 mm
Gas Working Temperature	-40°C ~ +80°C

Standard scope of supply

No.	Item	Qty	Notes
1	SF6 Precision Dew Point Meter Host	1 Set	Equipped with original Vaisala Finland sensor
2	German Self-locking Gas Connectors	2 Pcs	Standard fittings for connecting SF6 high voltage equipment
3	Sampling Gas Tubing	1 Set	For gas extraction delivery
4	AC 220V Power Adapter & Charger	1 Pc	For battery charging and fixed power supply
5	RS232 Serial Data Cable	1 Pc	Used for data printing connection
6	Spare Desiccant Pack	1 Pack	Consumables to extend sensor service life
7	Bilingual User Manual (CN/EN)	1 Copy	Operation, calibration & maintenance guide
8	Factory Calibration Certificate	1 Copy	Official metrological certification document
9	Shockproof Hard Carry Case	1 Pc	Portable protective box for outdoor transportation

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.