



> Description

These instruments are used to monitor SF₆ gas density in sealed tanks. It can provide multiple solutions to support new substations and the intelligent transformation of existing substations.

> Application

SF₆ Gas Insulated Switchgear (GIS)
 SF₆ Insulated Circuit Breakers
 SF₆ Insulated Pole-Mounted Switch
 SF₆ Insulated Transformers
 SF₆ Insulated Mutual Inductor
 SF₆ Insulated Busbar Systems
 SF₆ insulated inflatable cabinet
 SF₆ insulated RMU

> Features

1. RS485 bus communication
2. Real-time data collection
3. Stainless steel housing
4. Anti-electromagnetic interference

> Options

1. Can detect SF₆, Air, N₂, SF₆ + N₂ and other gases

> Technical Data

1 . Scale range: 0 to 1.0MPa abs. (customizable)	4 . Ambient conditions: -40°C to +60°C, relative humidity ≤ 95%RH
2 . Accuracy: (related to the measuring span; SF ₆ in gas phase)	5 . Leakage rate: ≤ 1 × 10 ⁻⁹ Pa·m ³ /s (Helium leakage inspection)
a) At 20°C: Class 1.0	6 . Process connection: M20 × 1.5 (customizable)
b) -40°C to +60°C: Class 2.5	7 . Electrical connection: Seven-core aviation plug, passing EMI test
3 . Degree of protection: IP65	8 . Weight: 0.3kg

> Main electrical performance indicators and specifications of the remote transmission part

1. Power supply: DC 24V
2. Power consumption: < 2W
3. Communication mode: RS485
4. Protocol: ModBus RTU
5. Baud rate: 9600bps
6. Anti-electromagnetic interference:
IEC61000-4-2: level 4 (15kV)
IEC61000-4-3: level 3 (10V / m)
IEC61000-4-4: level 4 (4kV)
IEC61000-4-5: level 3 (+/- 2kV)
IEC61000-4-6: level 3 (10V)
IEC61000-4-8: level 5 (100A / m)

> Dimensions

