



> Description

These instruments are used to monitor SF₆ gas density in sealed tanks. They are applied to indicate the gas density and to provide a signal outputs when the density reaches the set value. They are designed to monitor High Voltage systems. They 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

> Features

1. The Gas compensation ensures higher set point accuracy.
2. The Micro switch enables normally open contacts and normally closed contacts freely switch to each other.
3. High shock resistance
4. Normally closed contacts will not set a false alarm due to vibration

> Options

1. Measurement range
2. Wide temperature range -60°C to +60°C
3. Can detect SF₆, Air, N₂, SF₆ + N₂ and other gases

> Technical Data

1. Scale range: -0.1 to 0.9MPa	9. Insulation properties:
2. Accuracy of set point: $\pm 2.0\%$ (-30 ~ +50 °C)	Insulation resistance: >100 M Ω (DC 500 V)
3. Degree of protection: IP67	Withstand voltage: 2kV, 50/60 Hz 1 min
4. Ambient conditions:	10. Contact type: Micro contact
-30°C to +60°C, relative humidity $\leq 95\%$ RH	11. Impact rating: 30g
5. Leakage rate: $\leq 1 \times 10^{-9}$ Pa·m ³ /s (Helium leakage inspection)	12. Contact electrical parameters:
6. Process connection: M20 \times 1.5, (customizable)	30W/50VA, 1A (maximum)
7. Installation method: axial	220VDC/380V 50/60Hz (maximum)
8. Electrical connection: Plug-in connection	13. Weight: 0.3kg
Cable size: 0.2mm ² to 2.5mm ²	14. Pressure element: Bourdon tubes

> Dimensions

