

ZMJ100XD Density Monitor

LANSO[®]
SF₆ measuring



Options:

- Different measuring ranges
- Wide temperature range -50°C to +60°C
- Can detect SF₆, Air, N₂, SF₆+N₂ and other gases

Technical Data

Scale range: -0.1 to 0.9MPa (customizable)

Set point Accuracy:

- a) +20±1°C, ±1.0%FS
- b) -30~+60°C, ±1.5%FS (gas phase)

Indication accuracy:

- a) rated pressure: +20±1°C, ±1.0%FS
- b) -20~+60°C, ±1.8%FS (gas phase)
- c) -30~-20°C, ±2.3%FS (gas phase)

Degree of protection: IP65

Ambient conditions: -40°C to 60°C

Leakage rate:

< 1 × 10⁻⁹ Pa · m³/s ,Relative humidity ≤ 95%RH

Pressure connection: M20 × 1.5, (customizable)

Location: Bottom or back

Electrical connection:

Connect the plug when plugging,
wire diameter 0.2...2.5 mm²

Insulation properties:

Insulation resistance: >100 MΩ (500 V DC)

Withstand voltage: 2kV, 50/60 Hz 1 min (to case)

Description

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

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

- Using gas compensation, higher set point accuracy
- Class 1.0 display for full scale
- Suitable for indoor or outdoor installation
- Micro switch, can switch freely between normally open and normally closed points
- Up to four pairs of nodes, multiple options such as double alarms and double locks can be realized, making monitoring more secure and reliable
- High shock resistance
- No need to fill oil, no oil leakage hazard
- Normally closed contacts will not falsely alarm due to vibration

Impact rating: 50g

Contact ratings: 10(1.5)A,250V AC
0.1 (0.05)A,250V DC

Weight: 1.0kg

Pressure-sensitive components:
bellows and Bowden tubes

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Dimensions

