ZMJ100XD
Density Monitor

LANSO

SF6 measuring



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.

Applications

- Gas Insulated Switchgear (GIS)
- Gas Insulated Lines (GIL)
- SF6 circuit breakers
- Gas insulated busbar systems

Product 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

Options

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

Technical Data

Scale range:
-0.1 to 0.9MPa (customizable)

Set point Accuracy:
Class 1.0 （±10 kPa） @ －30...+50 ° C

Indication accuracy：
Class 1.0 （±10 kPa） @20 ° C

Degree of protection:
IP65

Ambient conditions:
-40° C to 60° C

Leakage rate:
$< 1 \times 10^{-9}$ 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)

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Contact type:
Micro Switch

Contact ratings:
30W/50VA, 1A max.
220VDC/380V 50/60Hz max.

Impact rating:
50g

Window:
Laminated safety glass

Weight:
1kg

Pressure sensitive components:
imported bellows and Bowden tubes

Dimensions





