ZMJ60XD
Density Monitors

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Description

ZMJ60XD Density Monitors are used to monitor SF_6 gas density in sealed tanks. They are applied to indicate the gas density and to provide signal outputs when the density reaches the set values. They are designed to monitor High Voltage systems. They can provide multiple solutions to support new substations and the renovation and upgrading of existing substations.

Features

- Higher accuracy from reference chamber temperature compensation technology.
- Suitable for indoor or outdoor installation.
- Micro-switch that can switch freely between normally open and normally closed points.
- Up to 4 pairs of switches, 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 risk.
- Normally closed contacts will not falsely alarm due to vibration.

Application

- SF_6 Gas Insulated Switchgear (GIS)
- SF_6 Insulated Circuit Breakers
- SF_6 Insulated Pole-Mounted Switch
- SF_6 Insulated Transformers
- SF_6 Insulated Current Transformers or Voltage Transformers
- SF_6 Insulated Busbar Systems

Options

- Wider temperature range: -40°～ +60°C
- Measuring Medium: SF_6, Air, N_2, SF_6 + N_2 and other gases

Technical Parameters	
Scale range	-0.1～0.9MPa
Accuracy of set point	±10 KPa @-30°C～ +60°C（gas phase）
Accuracy of indicator	Within the range of the dial ±10 KPa @20°C ±1°C
Degree of protection	IP65
Ambient conditions	-20°C to+60°C，relative humidity ⩽ 95%RH
Leakage rate	⩽ 1×10^{-9}Pa-m^3/s (Helium leakage inspection)
Process connection	M20×1.5 (customizable)
Installation method	Radial or Axial
Electrical connection	Pluggable connector, wire diameter 0.2~ 2.5mm^2
Insulation properties	Insulation resistance: ＞100 MΩ (DC 500V) Withstand voltage: 2kV, 50/60 Hz, 1min
Contact type	Microswitch
Impact rating	50g
Contact electrical parameters	10(1.5)A,250V AC 0.1(0.05)A,250V DC
Window glass	Laminated safety glass
Weight	≈ 1.0kg
Pressure element	Bellow

Dimensions