

ZMJ60

Density Monitor



Description

ZMJ60 Density Monitors are used to monitor the density of SF₆ gas in sealed tanks and can be widely used in medium voltage switchgear and RMU. They’ re also suitable for outdoor harsh conditions. They can provide multiple solutions to support new substations and the renovation and upgrading of existing substations.



ZMJ60 Density Monitor

Features

- Compact design, customizable installation interface, convenient and reliable.
- Process connection customizable in accordance with customer's demands.
- Up to three sets of switching contacts can be provided according to user’ s needs.
- Temperature compensation for higher accuracy.

Application

- SF₆ Gas Insulated RMU
- SF₆ Gas Insulated Switchgear

Options

- Different measuring ranges
- Wider temperature range: -40°C to +60°C
- Outlet Direction and cable length
- Installation method
- Suitable for High-altitude environment
- Can detect SF₆、 Air、 N₂、 SF₆+N₂ and other gases
- Optional measurement accuracy: ±1.0%FS (+20±1°C) , ±2.5%FS (-20°C~ +60°C) (gas phase)

Technical Parameters	
Case diameter	Φ64mm
Case material	Stainless steel
Scale range	0 to 2bar abs. (customizable)
Accuracy	±1.5%FS (+20±1° C) ±2.5%FS (-20° C ~ +60° C) (gas phase)
Ambient conditions	-20° C to +60° C, relative humidity ≤ 95%RH
Degree of protection	IP65
Leakage rate	≤ 1 × 10 ⁻⁹ Pa·m ³ /s(Helium leakage inspection)
Contact type	Magnetic snap-action contacts (up to 3 sets, NO or NC)
Process connection	M20×1.5 (customizable)
Installation method	Radial or Axial
Insulation properties	Insulation resistance: >100 MΩ (500 V DC) Withstand voltage: 2kV, 50/60 Hz 1 min
Contact electrical parameters	Rated Power: 30VA Max operating voltage: 380V Max current: 1A
Weight	≈ 0.5kg
Pressure Element	Bourdon tubes

Dimensions

