

ZMJ60V Density Monitor



Description

ZMJ60V Density Monitors are used to monitor the density of SF₆ gas in sealed tanks, and can be widely used in medium voltage switchgear, RMU. It's suitable for outdoor harsh conditions. It can provide multiple solutions to support new substations and the renovation and upgrading of existing substations. The electrical maintenance personnel can make SF₆ gas density monitor calibration or gas filling without disassembling SF₆ density monitor.



ZMJ60V Density Monitor

Features

- Compact design, customized 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.
- Without disassembling SF₆ density monitor, SF₆ gas density monitor can be calibrated or replaced.
- Without disassembling the screws, a person can operate independently, which is convenient.
- Temperature compensation for higher accuracy.
- It can facilitate on-site personnel to measure micro-water and supplement air for switch.
- Avoid the sealing surface and sealing joint damage caused by the disassembling.

Application

- SF₆ Gas Insulated RMU
- SF₆ Gas Insulated Switchgear

Options

- Different measuring ranges
- Wide temperature range: -40° C to +60° C
- Measuring Medium: SF₆, Air, N₂, SF₆+N₂ and other gases
- Remote transmission function
- 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°C ±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 ⁻³ 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)
Maintenance connection	M16×1.5 (customized and additional adapter needed to the calibrator or gas tank)
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	≈ 0.6kg
Pressure element	Bourdon tubes

Dimensions

