ZMJ60R DENSITY MONITOR





Description

These instruments are used to monitor the density of SF_6 gas in sealed tanks. They are applied to indicate the gas density and reliably output SF_6 gas density signal for remote monitoring. They can be widely used in monitoring medium voltage system. They can provide multiple solutions to support new substations and the intelligent transformation of existing substations.

Application

SF₆ gas Insulated RMU SF₆ gas Insulated Switchgear

Features

- 1. The temperature compensation device ensures higher measurement accuracy
- 2. The RS485 remote function ensures remote monitoring
- 3. Suitable for indoor or outdoor installation
- 4. AISI 304 hermetically sealed stainless steel case
- 5. Gas connection tubes are made of AISI 316 stainless steel
- 6. The on-screen display value and output signals are independent of the impact of external environment, such as altitude

> Options

Measurement Medium: SF₆, Air, N₂, SF₆ + N₂ and other gases

> Technical Data

1. Case diameter: Φ64mm	9. Process connection: M20×1.5 (customizable)
2. Case material: Stainless steel	10. Installation method: radial or axial
3. Scale range: 0 to 2bar (abs.) or -1 to 6bar	11. Insulation properties:
4. Accuracy: Class 1.0 or 1.5 at 20°C;	Insulation resistance: $>$ 100 M Ω (500 V DC)
Class 2.5 at -40°C to + 60°C	Withstand voltage: 2kV, 50/60 Hz 1 min
5. Ambient conditions:	12. Contact electrical parameters:
-40°C to +60°C, relative humidity ≤ 95%RH	Power: 30VA
6. Degree of protection: IP65	Maximum operating voltage: 380V
7. Leakage rate:	Maximum current: 1A
$\leq 1 \times 10^{-9} \text{Pa·m}^3/\text{s}$ (Helium leakage inspection)	13. Weight: 0.3kg
8. Contact type: Magnetic snap-action contact (Maximum	14. Pressure element: Bourdon tubes
three groups, normally open or normally closed)	

Main electrical performance indicators and specifications of the remote transmission part

1. Power supply: DC 24V

2. Power consumption: < 2W

3. Communication mode: RS485

4. Protocol: ModBus RTU5. Baud rate: 9600bps

6. Anti-electromagnetic interference:

IEC61000-4-2: level 4 (15kV)

IEC61000-4-3: level 3 (10V / m)

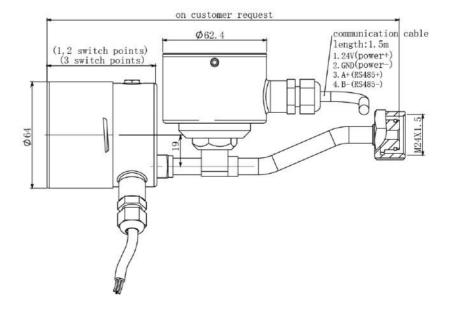
IEC61000-4-4: level 4 (4kV)

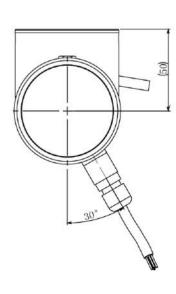
IEC61000-4-5: level 3 (+/- 2kV)

IEC61000-4-6: level 3 (10V)

IEC61000-4-8: level 5 (100A / m)

Dimensions





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