

SF6气体-密度继电器

NCR-100M



Ⓜ About SF6 gas density monitor NCR-100M

It is used to control and monitor the density of SF6 gas in sealed container. It is applicable for SF6 high voltage circuit breakers, medium voltage switchgear, gas insulation switchgear (GIS), high voltage cables, transformers and current transformers, even though, which are under strong vibration and harsh outdoor environment. When SF6 gas leakage occur, monitor will sound alarm, giving close signal and over voltage alarm signal in time, to ensure the safe operation of electrical equipment.

Ⓜ Product Features

- Oil-free design, completely avoid oil intrusion into the body and oil leakage phenomenon;
- With strong anti-vibration and anti-shock;
- Good sealing performance; 100% sealing test by helium mass spectrometer ;
- Leakage rate <math> < 1 \times 10^{-9}</math> mbar.l/s;
- High reliable gold-plated electric contacts. Electric life: 3×10^6
- Contact arrangement can be 3H/3Z, over-pressure alarm or double alarm, double close etc. function;
- Secure and reliable monitoring;
- User-friendly design for connector, simple wiring and reliable;
- Sensor component with high precision and stable compensation performance;
- Sealed stainless steel matte case, IP65;
- With various joints and valves, adopting to different SF6 switchgear domestic and abroad;
- Compact in size, easy for installation;

Ⓜ Technical Data

Sealing	$\leq 1 \times 10^{-9}$ mbar.l/s (Helium Test)
Contact capacity	AC 250V 3A DC 250V 0.2A
Anti-vibration	30m/s ²
Anti-shock	500m/s ²
Accuracy	1.5 Class (at 20°C) 2.5 Class (at -40°C—+60°C)
Working temperature	Temperature -40°C ~ +60°C, Relative Humidity $\leq 95\%$ RH
Contact arrangement	2NO / 2NC, 3NO/3NC is optional
The pressure value for control outputs	(Alarm, Close) can be specified by user
Protection class	IP65
Insulation	2KV 1min

