

传密度继电器(微水、密度)

NCR-100RM



Ⓛ About remote gas density monitor NCR-100RM

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. The SF6 gas density can be displayed constantly, and with alarm and close signal output. When SF6 gas leakage occur, monitor will sound alarm, giving close signal. With communication interface, it can transmit the data of SF6 gas temperature, pressure, density, micro water and dew point in SF6 electrical equipment to the background, through wired or wireless connection. With the help of self-developed remote background, the data can be transmitted to the user's mobile terminal, which is convenient for user to monitor the operation of SF6 electrical equipment always without going to the site, so as to ensure the safe operation of SF6 electrical equipment.

Ⓛ Product Features

- Compact size design, easy installation;
- Good sealing performance, positive pressure helium test;
- Leakage rate  $< 1 \times 10^{-8}$  mbar.l/s;
- Low power consumption; EMC test approval;
- With alarm, close signal output ;
- The gold-plated magnetic-assisted electric contacts have advantage of reliable structure and long service life;
- High precision sensor with reliable performance; Transmit temperature, pressure, Transmit temperature, pressure, density, micro water (optional);
- Matte case with frosted textures, metal shielding function, beautiful design; IP55;
- 24v power supply; with 485 communication interface; optional wireless transmission function;

Ⓛ Technical Data

Leakage ratio	$51 \times 10^{-8}$ mbar.l/s (Helium Test)
Anti-vibration	20m / s <sup>2</sup> Anti-shock: 500m/s <sup>2</sup>
Scale range	Density: -0.1~.9MPa Dew point : -80°C~+20°C
Accuracy	Density I Class (at 20°C) Working temperature -40°C~+60°C Accuracy class : 2.5 class; Dew point: $\pm 3^\circ\text{C}$
Working temperature	Temperature -40°C ~ +60°C、Relative Humidity $\leq 95\% \text{RH}$ ;
Microswitch Specs.	Power: 30VA; Max. working voltage: 380V; Max. current: 1A
Weight	4KG
Pressure sensitive component	Bellows
Protection class	IP55
Insulation	Insulation resistance $> 100 \text{MO}$ (500V DC) Dielectric: 2000V, 50/60 Hz 1 min

