10 MDK DENSITY SWITCH





Description

These instruments are used to monitor SF_6 gas density in sealed tanks. They are applied to indicate the gas density and to provide a signal outputs when the density reaches the set value. They are designed to monitor High Voltage systems. They can provide multiple solutions to support new substations and the intelligent transformation of existing substations.

Application

SF_6 Gas Insulated Switchgear (GIS)
SF_6 Insulated Circuit Breakers
SF_6 Insulated Pole-Mounted Switch
SF_6 Insulated Transformers
SF_6 Insulated Mutual Inductor
SF_6 Insulated Busbar Systems

Features

1. The Gas compensation ensures higher set point accuracy.
2. The Micro switch enables normally open contacts and normally closed contacts freely switch to each other.
3. High shock resistance
4. Normally closed contacts will not set a false alarm due to vibration

Options

1. Measurement range
2. Wide temperature range -60°C to +60°C
3. Can detect SF_6, Air, N_2, $SF_6 + N_2$ and other gases

Technical Data

1. Scale range: -0.1 to 0.9MPa	9. Insulation properties:
2. Accuracy of set point: ±2.0% (−30 ~ +50 °C)	Insulation resistance: >100 MΩ (DC 500 V)
3. Degree of protection: IP67	Withstand voltage: 2kV, 50/60 Hz 1 min
4. Ambient conditions:	10. Contact type: Mirco contact
-30°C to +60°C, relative humidity ≤95%RH	11. Impact rating: 30g
5. Leakage rate: ≤1 × 10^{-9} Pa·m^3/s (Helium leakage inspection)	12. Contact electrical parameters:
6. Process connection: M20 × 1.5, (customizable)	30W/50VA, 1A (maximum)
7. Installation method: axial	220VDC/380V 50/60Hz (maximum)
8. Electrical connection: Plug-in connection	13. Weight: 0.3kg
Cable size: 0.2mm^2 to 2.5mm^2	14. Pressure element: Bourdon tubes

Dimensions

