DT05 DENSITY TRANSMITTER





> Description

These instruments are used to monitor SF₆ gas density in sealed tanks. It can provide multiple solutions to support new substations and the intelligent transformation of existing substations.

Application

SF₆ Gas Insulated Switchgear (GIS)

SF₆ Insulated Circuit Breakers

SF₆ Insulated Pole-Mounted Switch

SF₆ Insulated Transformers

SF₆ Insulated Mutual Inductor

SF₆ Insulated Busbar Systems

SF₆ insulated inflatable cabinet

SF₆ insulated RMU

Features

- 1. RS485 bus communication
- 2. Real-time data collection
- 3. Stainless steel housing
- 4. Anti-electromagnetic interference

Options

1. Can detect SF₆, Air, N₂, SF₆ + N₂ and other gases

> Technical Data

1 . Scale range:	4 . Ambient conditions:
0 to 1.0MPa abs. (customizable)	-40°C to $+60$ °C, relative humidity ≤ 95%RH
2 . Accuracy:	5 . Leakage rate:
(related to the measuring span; SF_6 in gas phase)	\leq 1 \times 10 ⁻⁹ Pa·m ³ /s (Helium leakage inspection)
a) At 20°C: Class 1.0	6 . Process connection: M20 \times 1.5 (customizable)
b) -40°C to +60°C: Class 2.5	7 . Electrical connection:
3 . Degree of protection: IP65	Seven-core aviation plug, passing EMI test
	8 . Weight: 0.3kg

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 RTU

5. Baud rate: 9600bps

6. Anti-electromagnetic interference:

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

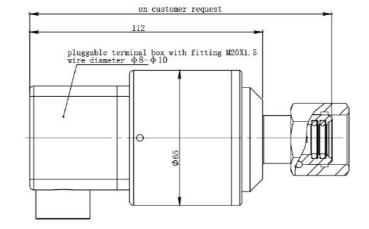
IEC61000-4-3: level 3 (10V / m)

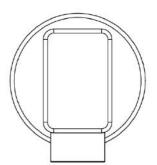
IEC61000-4-4: level 4 (4kV)

IEC61000-4-5: level 3 (+/- 2kV) IEC61000-4-6: level 3 (10V)

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

Dimensions





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