

DT26

Density Transmitter



DT26 Density Monitor

Description

DT26 Density Transmitters are used to monitor SF₆ gas density in sealed tanks. It can provide multiple solutions to support new substations and the renovation and up-
grading of existing substations.

Features

- SF₆ gas remote density transmitter suitable for me-
dium and high pressure system monitoring.
- All welded sensor structure, long - term stable seal-
ing performance.
- RS485 bus communication (MODBUS RTU) .
- The EMC characteristics of the transmitter meet
the requirements of IEC 61000-4-2 to IEC 61000-4-6
standards.
- Compact design.

Application

- SF₆ Gas Insulated Switchgear (GIS)
- SF₆ Insulated Circuit Breakers
- SF₆ Insulated Pole-Mounted Switch
- SF₆ Insulated Transformer
- SF₆ Insulated Current Transformer or Voltage
Transformer
- SF₆ Gas Insulated Busbar Systems
- SF₆ Insulated Inflatable Cabinet
- SF₆ Insulated RMU

Options

- Pressure connection: M20 × 1.5(customizable)
- Measuring Medium: SF₆, Air, N₂, SF₆ + N₂ and other
gases

Technical Parameters	
Measuring range	0 to 1.0MPa abs.or 0 to 0.2MPa abs.(customized)
Temperature measurement range	-40℃~ +80℃
Pressure measurement accuracy	±0.5% FS
Temperature measurement accuracy	±1℃
Density (P20) measurement accuracy	±1.0%FS
Degree of protection	IP65
Ambient conditions	-40° C to 70° C, relative humidity ≤ 95%RH
Leakage rate	≤ 1 × 10 ⁻⁹ Pa·m ³ /s (Helium leakage inspection)
Electrical connection	Hirschmann Connector
Weight	0.2kg

Technical Parameters for Remote Module			
Power supply	24V DC	EMC tests	IEC61000-4-2:level 4
Power consumption	< 0.5W		IEC61000-4-3:level 3
Communication mode	RS485		IEC61000-4-4:level 4
Protocol	ModBus RTU		IEC61000-4-5:level 4
Baud rate	9600bps		IEC61000-4-6:level 3

Dimensions

