

Description

The RD40 density transmitter is used to monitor the temperature, pressure and density of the gas in sealed tanks, and the functional parameters meet the requirements of the National Grid.

"QGDW123554-2023 Smart substation technical specification Part 4: Digital remote transmission meter" standard. It can be used in the new substation and the renovation and upgrading of existing substation.

Measuring range

Accuracy of transmitter

Degree of protection

Ambient condition

Leakage rate

Process connection

Electrical connection

Impact Rating

Weight

Technical Parameters for Remote Module

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Operating voltage	10~30VDC	EMC tests	IEC61000-4-2: Level 4
Power consumption	<0.5W		IEC61000-4-3: Level 3 IEC61000-4-4: Level 4
Communication mode	RS485		IEC61000-4-5: Level 4 IEC61000-4-6: Level 3
Communication protocol	Modbus RTU		IEC61000-4-8: Level 5 IEC61000-4-9: Level 5 IEC61000-4-10: Level 5
Baud Rate	9600bps		

RD40 Density Transmitter

Features

- All welded sensor structure, long-term stable sealing performance.
- RS485 bus interface, easy to do the system expansion.
- Meet the requirements of "QGDW123554-2023 Smart substation technical specification Part 4: Digital remote transmission meter".

■ Measuring Medium: SF₆, Air, N₂, SF₆ + N₂ and other

Compact and beautiful design.

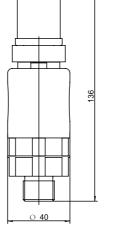
Dimensions

Application

Options

gases

- SF₆ Gas Insulated Swithchgear (GIS)
- SF₆ Insulated Circuit Breaker
- SF₆ Insulated Pole-Mounted Switch
- SF₆ Insulated Transformer
- SF₆ Insulation Current Transformer or Voltage Transformer
- SF₆ Insulated Bus System



-0.1 ~ 0.9MPa		
Pressure: ±0.5%FS Temperature: ±1°C Pressure at 20°C: ±1.0%FS		
IP65		
-40°C ~ +70°C , relative humidity: \leq 95%RH		
\leqslant 1 \times 10 $^{\cdot9}\text{Pa}\cdot\text{m}^3\text{/s}~$ (Helium leakage inspection)		
M20 x 1.5 (customizable)		
Hersman connector		
50 g		
0.4kg		

