Fande

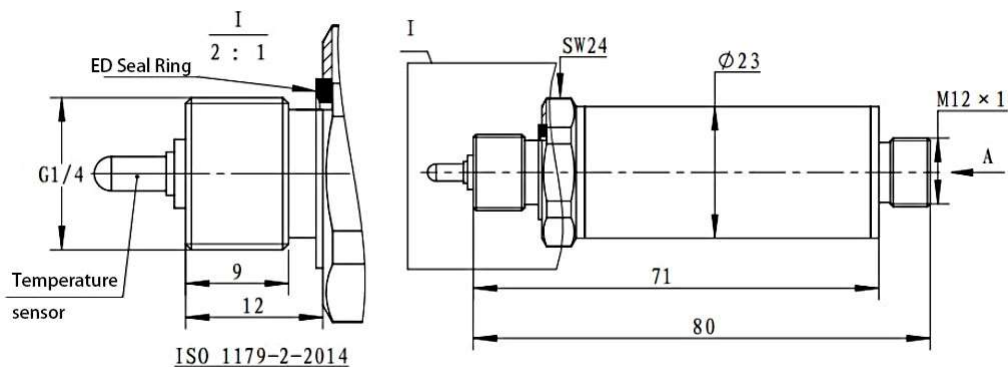## DR3543 Pressure and Temperature Integrated Transmitter

DR3453 is a multipurpose high precise transmitter, and incorporating a PT100 measuring element, the transmitter can measure temperature and pressure at the same time. Coupled with a dedicated pressure and temperature signal processing circuit, the transmitter is capable of high precision measurement. It is constructed of stainless steel providing excellent reliability. Additionally, the pressure transmitter provides multiple output option, such as dual 4-20 mA, 0.5V-4.5V or RS485. Our Combined Pressure and Temperature sensors have a wide range of applications where temperature and pressure measurement are required.
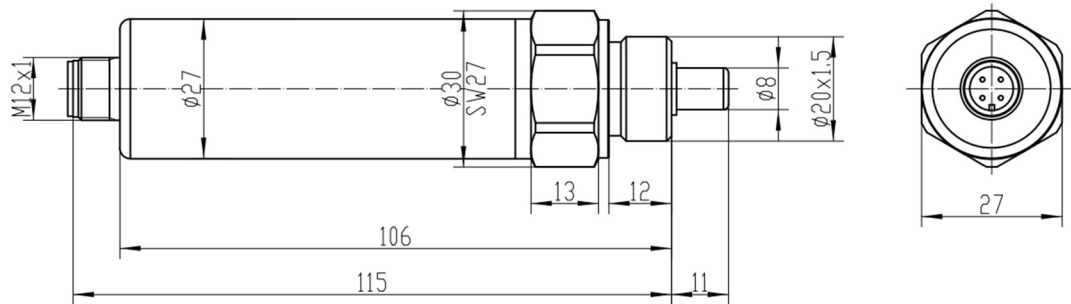
Fandesensor
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Technical Specs

Pressure range: -1bar…0bar~0.1bar…100bar
Temperature range: -40 ~ 80℃
Pressure type: gauge, absolute or sealed gauge pressure
Response time: 5ms
Over pressure: 150%FS
Compensated Temp.: -10 ℃ ~ + 70 ℃
Accuracy: ± 0.5%FS (pressure) / ±1%FS (temperature)
Working temp.: -40 ℃ ~ + 80℃
Stability: ±0.20 %FS (1 year)
Storage Temp.: -40℃ ~ + 85℃
Output: 4mA~20mA DC(2-wire); 0.5~4.5V DC(3-wire);
Communication: RS485
Pressure interface: NPT1/2 NPT1/4 G1/2 G1/4 M20 * 1.5
Load: ≤(U-8)/0.02Ω(2-wire); ≥10k(3-wire);
Insulation resistance: 100VDC@100MΩ
Housing: stainless steel 304/ stainless steel 316
Protection level: IP65
Diaphragm: stainless steel 316L
Power supply: 12V~30VDC;

Outline Construction (Unit: mm)

Electrical Connection

RS485 Cable Wiring:

Black	V+
Brown	V-
Blue	RS485A
White	RS485B