

General Purpose Pressure Transmitters

SPT 900

Gauge Pressure (G) & Absolute Pressure (A)
Wide Pressure Range from -1 to 1000 bar
4-20 mA / 0-5 V / 0-10 V / MODBUS RTU Output Types
12 to 36 VDC Wide Supply Voltage Range

Process Precision Instruments

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Salient Features

- Compact & Rugged Stainless Steel Construction
- Ideal for Accurate Pressure Measurement in Industrial Gases and Liquids
- Oil Filled Silicon Core with High Overload Capacity
- Wide Pressure Range from -1 to 1000 Bar
- Pressure Form: Gauge Pressure (G) & Absolute Pressure (A)
- Output Versions: 4-20 mA (2-wire), 0-5V / 0-10V (3-wire), RS485 MODBUS RTU (4-wire)
- Accuracy: $\pm 0.5\%$ F.S. (Typical), $\pm 0.3\%$ F.S. (Optional)
- Operating Ambient Temperature: -20°C to $+85^{\circ}\text{C}$
- Electrical Connection: DIN43650 Big Hirschmann Connector
- Process Connection: $\frac{1}{4}$ " BSP, $\frac{1}{2}$ " BSP, $\frac{3}{4}$ " BSP, 1" Triclover Flange
- Protection Class / Certificates: IP65 / RoHS & CE
- Supply Voltage: 12 to 36 VDC, Typical

General Information

Product Type General Purpose Pressure Transmitter

Ordering Code

SPT 900- ☐ - ☐ - ☐ - ☐

Pressure Connections (BSP)

A : $\frac{1}{4}$ ", B : $\frac{1}{2}$ ", C : $\frac{3}{4}$ ", D : 1" Triclover

Output

C : 4 to 20 mA

V5 : 0 to 5V

V10 : 0 to 10V

RS : RS485 MODBUS RTU

Pressure Range

Refer Table 1

Display

0 : None 1 : LED Display (7 Segment)

Example : SPT 900-A-C-9-0

Connection : $\frac{1}{4}$ ", Output : 4 to 20 mA, Range : 0 to 16 Bar, No Display

Quantity 1 Unit

General Specifications

Working Temperature	-20 to 85 °C
Storage Temperature	-40 to 100 °C
Certification	RoHS, EU Electrical Safety Standard CE

Pressure Specifications

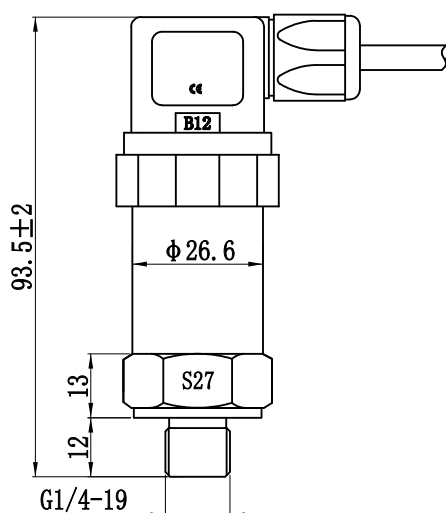
Measurement Range	-1 to 1000 Bar
Overload Pressure	1.5 Times Rated Pressure
Accuracy	± 0.5% F.S. Measured at 25 °C, including the comprehensive accuracy of linearity, repeatability and hysteresis.
Stability	< 0.5 % F.S. / Year
Measurement Medium	Gas or Liquid Compatible with SS 304 and 316L Stainless Steel, Fluorine Rubber or Nitrite Rubber
Pressure Connection	1/4" BSP, 1/2" BSP, 3/4" BSP, 1" Triclover Flange
Pressure Form	Gauge Pressure (G) & Absolute Pressure (A)

Electrical Specifications

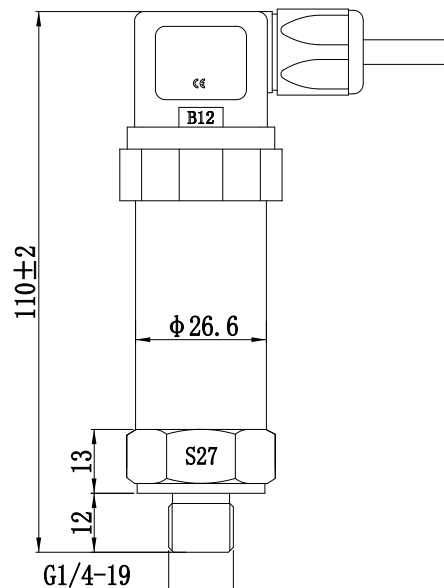
Output	4-20 mA (2-wire), 0-5V / 0-10V (3-wire), RS485 MODBUS RTU (4-wire)
Supply Voltage	8 to 36 VDC (For 4 to 20 mA & 0 to 5 VDC Outputs) 12 to 36 VDC (For 0 to 10 VDC Output) 10 to 30 VDC (For RS485 MODBUS RTU Output)
Electrical Connection	DIN43650 Big Hirschmann Connector
Enclosure Protection	IP65

Dimensions (mm)

Current / Voltage

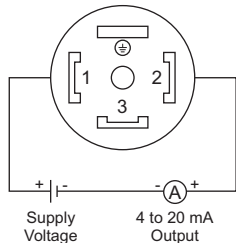


RS485

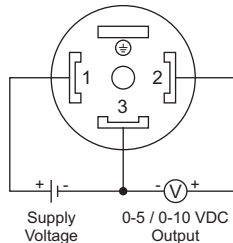


Wiring Instructions

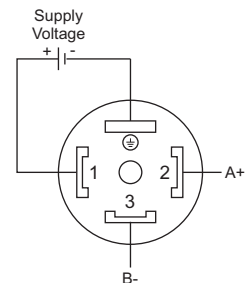
2-Wire Current Output



3-Wire Voltage Output



4-Wire RS485 MODBUS RTU



Standard Ranges

Ordering Code	Pressure Range
1	0 to 0.1 Bar
2	0 to 0.25 Bar
3	0 to 0.5 Bar
4	0 to 1 Bar
5	0 to 2 Bar
6	0 to 4 Bar
7	0 to 6 Bar
8	0 to 10 Bar
9	0 to 16 Bar
10	0 to 25 Bar
11	0 to 30 Bar
12	0 to 40 Bar
13	0 to 50 Bar
14	0 to 80 Bar
15	0 to 100 Bar

Ordering Code	Pressure Range
16	0 to 200 Bar
17	0 to 500 Bar
18	0 to 600 Bar
19	0 to 1000 Bar
20	-1 to 0 Bar
21	-1 to 3 Bar
22	-1 to 6 Bar
23	-1 to 15 Bar
24	-1 to 20 Bar
25	-1 to 34 Bar

Non Standard Ranges on Request.

Process Precision Instruments (An ISO 9001 : 2008 Company)

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