

Anti-Corrosion Pressure Transmitters

SPT 900AR

Excellent Resistance to Strong Acids and Alkalis
Wide Pressure Range from -1 to 20 Bar
4-20 mA / 0-5 V / 0-10 V Output Types
12 to 36 VDC Wide Supply Voltage Range

Process Precision Instruments

Vasai Road (E), Dist. Palghar - 401210,
Maharashtra, India

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Salient Features

- Ceramic Core with PVDF (Polyvinylidene Fluoride) Construction Offers Excellent Resistance to Strong Acids and Alkalis
- Ideal for Chlorine, Acids, Alkalis, and Chemical or Food-grade Applications
- Wide Pressure Range from -1 to 20 bar
- Pressure Form: Gauge Pressure (G)
- Output Versions: 4-20 mA (2-wire), 0-5V / 0-10V (3-wire)
- Accuracy: $\pm 0.5\%$ F.S. or $\pm 1.0\%$ F.S.
- Operating Ambient Temperature: -20°C to $+80^{\circ}\text{C}$
- Electrical Connection: DIN43650 Big Hirschmann Connector
- Process Connection: $\frac{1}{2}$ " BSP, M20x1.5
- Protection Class / Certificates: IP65 / RoHS
- Supply Voltage: 12 to 36 VDC, Typical

General Information

Product Type General Purpose Pressure Transmitter

Ordering Code

SPT 900AR- - - -

Pressure Connections (BSP)

B : $\frac{1}{2}$ " , E : M20x1.5

Output

C : 4 to 20 mA

V5 : 0 to 5V

V10 : 0 to 10V

Pressure Range

Refer Table 1

Display

0 : None 1 : LED Display (7 Segment)

Example : SPT 900AR-B-C-9-0

Connection : $\frac{1}{2}$ " , Output : 4 to 20 mA, Range : 0 to 16 Bar, No Display

Quantity 1 Unit

General Specifications

Working Temperature	-20 to 80 °C
Storage Temperature	-20 to 80 °C
Certification	RoHS

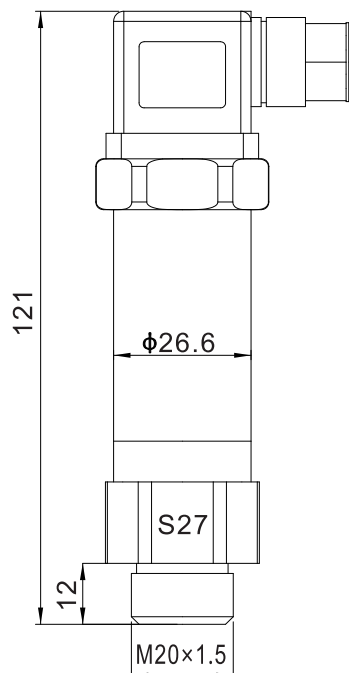
Pressure Specifications

Measurement Range	-1 to 20 Bar
Overload Pressure	1.5 Times Rated Pressure
Accuracy	± 0.5% F.S., ± 1% 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 1Cr18Ni9Ti, PVDF, Fluoroelastomer or Perfluoroether Rubber
Pressure Connection	½" BSP, M20x1.5
Pressure Form	Gauge Pressure (G)

Electrical Specifications

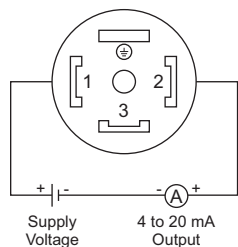
Output	4-20 mA (2-wire), 0-5V / 0-10V (3-wire)
Supply Voltage	8 to 36 VDC (For 4 to 20 mA & 0 to 5 VDC Outputs) 12 to 36 VDC (For 0 to 10 VDC Output)
Electrical Connection	DIN43650 Big Hirschmann Connector
Enclosure Protection	IP65

Dimensions (mm)

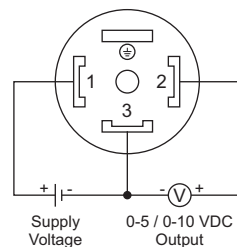


Wiring Instructions

2-Wire Current Output



3-Wire Voltage Output



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
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

Non Standard Ranges on Request.

Process Precision Instruments (An ISO 9001 : 2008 Company)

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