

FEATURES

- Sanitary application
- Without blockage in measuring
- Piezoresistive sensor employed
- MEMS technology
- CE certificate

CAUTION

1. Please do not touch the diaphragm by finger and other hard objects, or it may be damaged

2. The sensor filled with olive oil is for sanitary application. It cannot work when the temperature is lower than 0°C, because the olive oil will freeze lower than 0°C

**PRODUCT OVERVIEW**

PT350 Pressure Transmitter is designed for sanitary industry and clogging free application.

PRESSURE RANGE

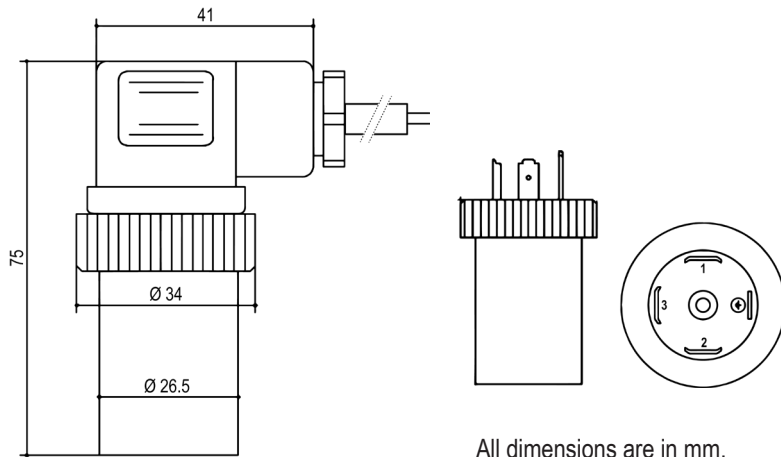
Pressure range	: -1 bar, 0.1 bar, 0.25 bar, 0.7 bar, 1 bar, 2.5 bar, 4 bar, 6 bar, 10 bar, 16 bar, 25 bar, 40 bar, 60 bar, 100 bar
Pressure reference	: Gauge pressure / Absolute pressure / Sealed gauge pressure
Overpressure	: 300%F.S.(≤0.7bar) / 200%F.S.(<100bar)

OUTPUT SIGNAL

Output	: 4 to 20mA / 0.5 to 4.5V / 1 to 5V / 0 to 5V
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SPECIFICATION

Accuracy (linearity, repeatability & hysteresis)	: ±0.5% FS (Typical)
Excitation	: 24V DC / 12V DC / 5V DC
Compensated temperature	: -10°C...70°C (typical) / -20°C...85°C (available)
Operating temperature	: -40°C...85°C
Medium temperature	: -40°C...300°C
Storage temperature	: -40°C...125°C
Zero temperature coefficient	: ±1.5% FS max (@-10°C...70°C)
Span temperature coefficient	: ±1.5% FS max (@-10°C...70°C)
Vibration	: 20g (20~5000HZ)
Shock	: 100g (11ms)
Insulation resistance	: 110M / 250V DC
Response time	: ≤1ms (up to 90% FS)
Long-term stability	: ≤0.2% FS/year
Pressure connection	: See last page (Ordering codes)
Protection	: IP65
Housing material	: Stainless steel 304 (SS316 for diaphragm)
Medium compatibility	: All the liquids and gases compatible with the diaphragm.
Weight	: 180g (approx.)



All dimensions are in mm.

HIRSCHMANN CONNECTION

Pin 1	Excitation+
Pin 2	Output+
Pin 3	Pending
Pin 1	Excitation+
Pin 2	Excitation-
Pin 3	Output+

ELECTRICAL CONNECTION (DIN 43650)

Thread	M20x1.5	G1/2	G1
All dimensions are in mm. Hex 27mm			
Code	A1	A2	A3

ORDERING CODES

1. PRESSURE RANGE

XX	Please write directly	XX
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2. PRESSURE REFERENCE

A	Absolute pressure	A
G	Gauge pressure	
S	Sealed gauge pressure	

3. EXCITATION

E1	5V DC	E1
E2	24V DC	
E3	12V DC	

4. OUTPUT SIGNAL

S1	4 to 20mA	S1
S2	0.5 to 4.5V	
S3	1 to 5V	
S4	0 to 5V	

5. OIL FILLING

F1	Silicon oil	F1
F2	Olive oil	

6. COOLING FIN

L1	Without cooling element	
L2	With cooling element	L2

7. PRESSURE CONNECTION

A1	M20 X 1.5mm (M)	A1
A2	G1/2" (M)	
A3	G1" (M)	
A4	Others (Please specify)	

Ordering Example : XX-A-E1-S1-F1-L2-A1