

PT M12

Pressure transducers

The pressure transducer generates an electrical output signal proportional to the inlet pressure. The ceramic sensor detects the pressure of the most common fluids: air, water, gas, steam and aggressive media. When the temperature changes, the integrated digital electronic provides an offset and span correction and also an aging detection and compensation.

APPLICATION:

Industrial pressure monitoring in industrial applications, Medical, Dosing system, Vending, Packaging, Chemistry, Food

HIGHLIGHTS

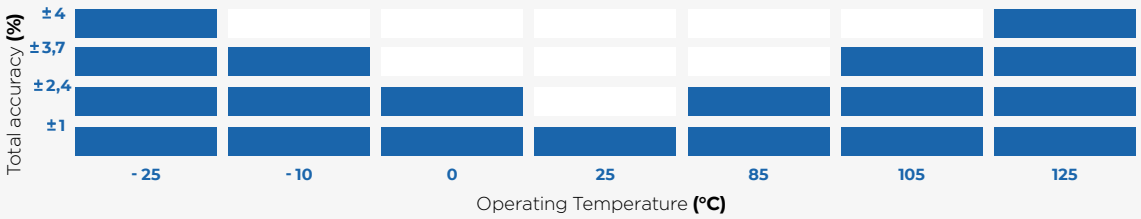
Temperature compensation

Customizable

CODE	PIPE ISO 228/1	PRESSURE RANGE (bar)	SUPPLY VOLTAGE (V)	OUTPUT RANGE	OVERLOAD PRESSURE (bar) PS	BURST PRESSURE (bar)
PT010RG02V0000	G 1/4	0-10	9-35 ⎓	4-20 mA	20	35
PT020RG02V2000	G 1/4	0-20	5 ⎓	0,5-4,5 V	40	60

TECHNICAL FEATURES

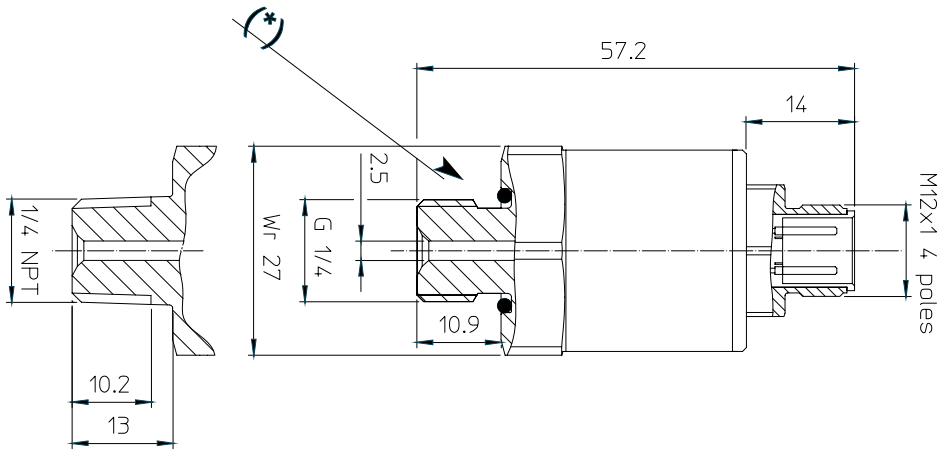
GASKETS	TEMPERATURE		MEDIUM
V=FKM (fluoroelastomer)	- 10°C	+140°C	Mineral oils (2°E), gasoline, gas oil, fuel oils (7°E)
B=NBR (nitrile rubber)	- 10°C	+ 90°C	Air, inert gas, water



BODY	stainless steel AISI 316L
O-RING SEAL	Standard: **V=FKM** On request: **B=NBR**
CERAMIC SENSOR	Al_2O_3 96%

RESPONSE TIME	≤ 5 ms
ENVIRONMENTAL PROTECTION	IP67

TECHNICAL DRAWINGS

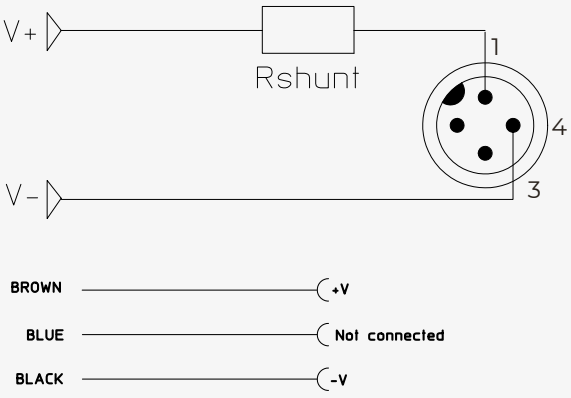


ACCESSORIES

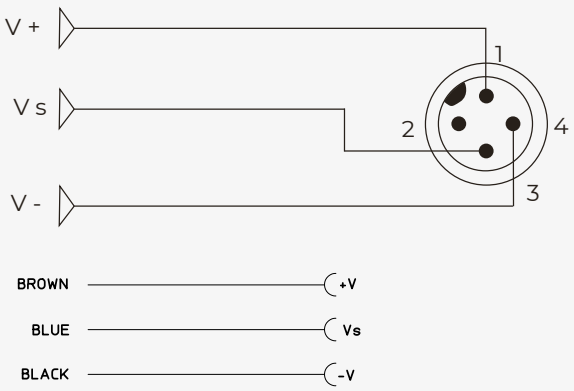
Connector M12 4 pole female, 3 wires .
P992268/1000 straight 1 m
P992268/3000 straight 3 m
P992268/5000 straight 5 m

P992269/1000 90° 1 m
P992269/3000 90° 3 m
P992269/5000 90° 5 m

CONNECTION DIAGRAM



Version 4-20 mA



Version 0-10V and ratiometric

CODIFICATION

I	II	III	IV	V	VI	VII	VIII	IX
PT	010	R	G01	V	1	0	0	0

I. SERIES PRESSURE TRANSDUCER

II. PRESSURE RANGE
- **001** - 1 bar
- **002** - 2 bar
- **005** - 5 bar
- **010** - 10 bar
- **020** - 20 bar
- **050** - 50 bar
- **100** - 100 bar
- **200** - 200 bar
- **400** - 400 bar

III. MEASURE TYPE
- **A** - ABSOLUTE
- **R** - RELATIVE

IV. PIPE INITIALS
- **G** - GAS
- **N** - NPT
- **01** - 1/8
- **02** - 1/4
- **03** - 3/8
- **04** - 1/2

V. SEALING MATERIALS
- **B** - NBR
- **V** - FKM

VI. OUTPUT
- **0** - 4-20 mA
- **1** - 0-10 V
- **2** - Ratiometric 0,5-4,5 V

VII. CONNECTION TYPE
- **0** - UL Recognized (US and Canada)
- **A** - UL Listed with connector 1 m, straight
- **B** - UL Listed with connector 1 m, 90°
- **C** - UL Listed with connector 3 m, straight
- **D** - UL Listed with connector 3 m, 90°
- **E** - UL Listed with connector 5 m, straight
- **F** - UL Listed with connector 5 m, 90°

VIII-IX. DIGITS FOR SPECIAL PRESSURE SETUP

POSSIBLE CUSTOMIZATIONS – UPON REQUEST

Rev. 2026-11-05