



Pressure transducer with a connector base EN175301-803

PT Series

DESCRIPTION:

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. This technology guarantees good precision and long term stability. The pressure transducer meets the requirements of Electromagnetic Compatibility EMI.

Due to the special O-Ring seal, specially developed for this type of product, can be assembled on the majority of existing fittings (* see drawing next page).

APPLICATION:

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

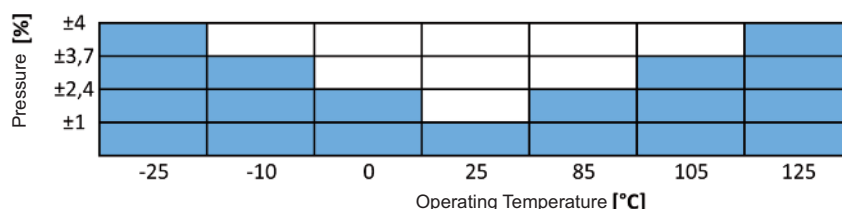


Gaskets	Temperature		Medium
V=FKM (fluoroelastomer)	- 10°C	+140°C	Mineral oils (2°E), gasoline, gas oil, fuel oils (7°E)
B=NBR (nitrile rubber)	- 10°C	+ 90°C	Air, inert gas, water

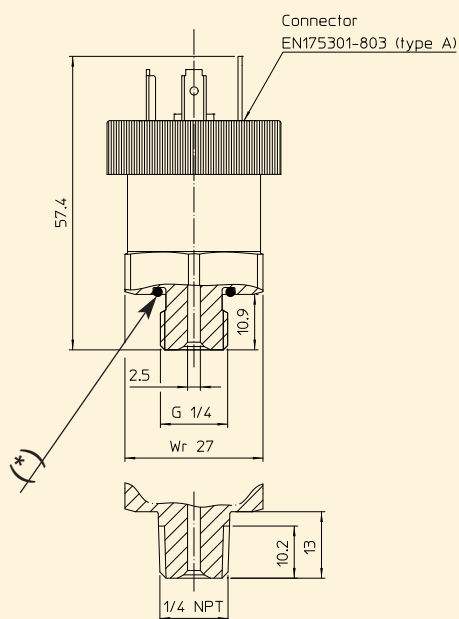
For seals other than FKM replace the letter "V" with the ones corresponding to the other seals.

(For the seals available see the table beside)
E.I. PT002RG02B0Z00.

Pipe	Code	Pressure range [bar]	Supply Voltage [V]	Output range	Overload pressure [bar] PS	Burst pressure [bar]
G 1/4	PT002RG02V0Z00	0~2	9-35 ---	4-20 mA	4	8
G 1/4	PT002RG02V2Z00	0~2	5 ---	0,5~4,5 V ---	4	8
G 1/4	PT005RG02V0Z00	0~5	9-35 ---	4-20 mA	10	20
G 1/4	PT010RG02V0Z00	0~10	9-35 ---	4-20 mA	20	35
G 1/4	PT010RG02V1Z00	0~10	12-35 ---	0~10 V ---	20	35
G 1/4	PT016RG02V0Z00	0~16	9-35 ---	4-20 mA	40	60
1/4 NPT	PT020RN02V0Z00	0~20	9-35 ---	4-20 mA	40	60
G 1/4	PT020RG02V0Z00	0~20	9-35 ---	4-20 mA	40	60
G 1/4	PT020RG02V1Z00	0~20	12-35 ---	0~10 V ---	40	60
G 1/4	PT020RG02V2Z00	0~20	5 ---	0,5~4,5 V ---	40	60
G 1/4	PT050RG02V0Z00	0~50	9-35 ---	4-20 mA	100	140
G 1/4	PT050RG02V1Z00	0~50	12-35 ---	0~10 V ---	100	140
G 1/4	PT100RG02V0Z00	0~100	9-35 ---	4-20 mA	100	300
G 1/4	PT100RG02V1Z00	0~100	12-35 ---	0~10 V ---	150	300
G 1/4	PT200RG02V0Z00	0~200	9-35 ---	4-20 mA	300	400
G 1/4	PT400RG02V0Z00	0~400	9-35 ---	4-20 mA	500	650



The "ODE" reserves the right to carry out technical and aesthetic modifications without prior notification.



MATERIALS:

Connection fitting

O-Ring seal

Ceramic sensor

AISI 316L

Standard: V=FKM

On request B=NBR

Al₂O₃ 96%

TECHNICAL DETAILS:

Environmental protection

Response time

IP65

≤ 5 ms

PRESSURE TRANSDUCER CODE

PT 002 RG 02 V 0 Z 0 0

DIGITS FOR SPECIAL PRESSURE SETUP

OUTPUT

0 4-20 mA

1 0-10 V

2 Ratiometric 0,5-4,5V

Z

Connettore base
EN 175301-803 (type A)

SEALING MATERIALS

B NBR

V FKM

PRESSURE RANGE

002 2 bar

005 5 bar

010 10 bar

020 20 bar

050 50 bar

100 100 bar

200 200 bar

400 400 bar

MEASURE TYPE

A ABSOLUTE

R RELATIVE

PIPE INITIALS

G GAS

N NPT

01 1/8

02 1/4

03 3/8

04 1/2

SERIES PRESSURE TRANSDUCER

Standard