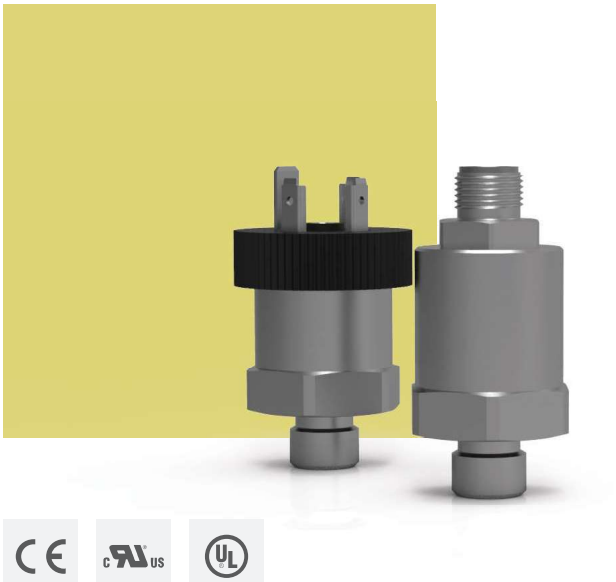


PT SERIES

Pressure transducers

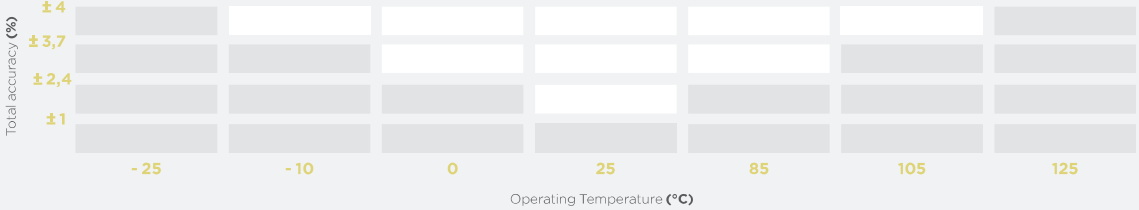
Pressure transducers generate an electrical output signal proportional to the inlet pressure. The ceramic sensor detects the pressure of the most common fluids: air, water, gas, steam and aggressive media. When the temperature changes, the integrated digital electronic provides an offset and span correction and also an aging detection and compensation. This technology guarantees good precision and long term stability. Pressure transducers meet the requirements of Electromagnetic Compatibility EMI.

TECHNICAL DATA

PORT CONNECTION	G 1/4	
SEALING MATERIALS	NBR	FKM
FLUID TEMPERATURE	-10°C +90°C	-10°C +140°C
FLUIDS	air, inert gases, water	oils, gasoline, diesel
RESPONSE TIME	≤ 5 ms	
PROTECTION DEGREE	IP65	

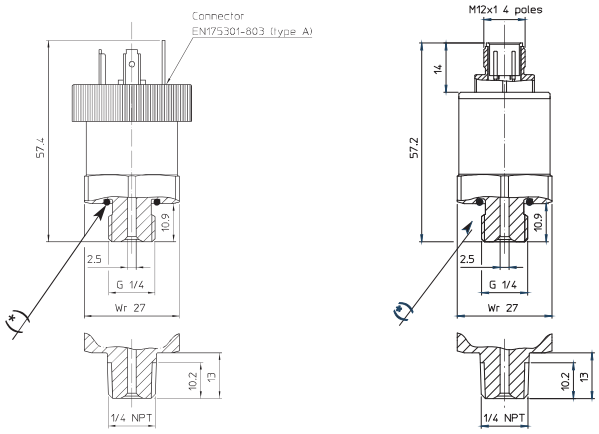
MATERIALS

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



- The values indicated is approximate values, which may depend on the differences of medium and installation of the product.
- Calibration of number of pulse/litre is recommended for different installations.

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PIPE ISO 228/1	PRESSURE RANGE (bar)	OVERLOAD PRESSURE (bar) PS	BURST PRESSURE (bar)	SUPPLY VOLTAGE (V)	OUTPUT RANGE	CODE
G 1/4	0-1	2	3	12-35 ⎓	0-10 V	PT001RG02V1Z00
G 1/4	0-2	4	8	9-35 ⎓	4-20 mA	PT002RG02V0Z00
G 1/4	0-2	4	8	5 ⎓	0,5-4,5 V	PT002RG02V2Z00
G 1/4	0-5	10	20	9-35 ⎓	4-20 mA	PT005RG02V0Z00
G 1/4	0-10	20	35	9-35 ⎓	4-20 mA	PT010RG02V0Z00
G 1/4	0-10	20	35	12-35 ⎓	0-10 V	PT010RG02V1Z00
G 1/4	0-16	40	60	9-35 ⎓	4-20 mA	PT016RG02V0Z00
G 1/4	0-20	40	60	9-35 ⎓	4-20 mA	PT020RG02V0Z00
G 1/4	0-20	40	60	12-35 ⎓	0-10 V	PT020RG02V1Z00
G 1/4	0-20	40	60	5 ⎓	0,5-4,5 V	PT020RG02V2Z00
G 1/4	0-50	100	140	9-35 ⎓	4-20 mA	PT050RG02V0Z00
G 1/4	0-50	100	140	12-35 ⎓	0-10 V	PT050RG02V1Z00
G 1/4	0-100	100	300	9-35 ⎓	4-20 mA	PT100RG02V0Z00
G 1/4	0-100	150	300	12-35 ⎓	0-10 V	PT100RG02V1Z00
G 1/4	0-200	300	400	9-35 ⎓	4-20 mA	PT200RG02V0Z00
G 1/4	0-400	500	650	9-35 ⎓	4-20 mA	PT400RG02V0Z00

CODIFICATION

I	II	III	IV	V	VI	VII	VIII	IX
PT	002	R	G02	V	0	Z	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
- **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
- **Z** - Connector base EN 175301-803 (type A)

UL APPROVAL
- **0** - UL Recognized
- **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°*

IX. DIGITS FOR SPECIAL PRESSURE SETUP

■ *A minimum order quantity is required for UL Listed versions. Please contact ODE for further information.