

Smart Pressure Transmitters

Accuracy 0,5% - 0,2% optional



TMPS600 Series

TMPS610 Series/flush

diaphragm

Description

TMPS600/610 series pressure transmitters are suitable for liquids, gas pressure measuring and controlling in the moderate media, with sensor probe working very well with long term stability at the high temperature of 125°C

The measuring ranges, graded in accordance with EN, range from -1 bar to the maximum pressure range of 1000 bar.

The wetted parts comprise stainless steel and are thus resistant to chemically aggressive media. The pressure connection and measuring element are welded together, making the measuring system particularly resistant to mechanical shock or vibration. Also HART protocol compatibility.

Features

- Compact design
- Protection type IP 67 or Ex-proof as optional
- High sensitivity
- MEMS technology
- Cost effective
- Short delivery

Measuring Ranges

Code	Range	Min.Span (Bar)	Code	Range	Min.Span (Bar)
001	-500...500 mBar	0,08	006	-1...50 Bar	10
002	-1...1 Bar	0,15	007	-1...100 Bar	15
003	-1...3 Bar	0,5	008	0...250 Bar	40
004	-1...5 Bar	0,8	009	0...600 Bar	100
005	-1...9 Bar	1,5	010	0...1000 Bar	150

TMPS600/610 Series

Technical Specification

Accuracy

TMPS600 → ±0.5% FS

TMPS601 → ±0,2% FS

Overpressure

Full scale ranges x3

Units

mbar,bar,torr,atm,Mpa,inH2O,inHg

mmH2O,mmHg,psi,kPa,Pa,kg/cm2

Operating Temperature Range

-40° to +125° C

Compensated Temperature Range

-25° to + 125° C

Electrical

2-wire, 4-20 mA or 20-4 mA, 10-36 Vdc power

Option : 0-5 VDC or 0-10 VDC*

*Supply should be 14 VDC min.

Body

Stainless Steel AISI 316

Other,on request

Electrical Connection and Housing

1/2"NPT – Aluminium or AISI316SS optional

Protection Degree

IP67,Ex-proof as optional

Process Connection

1/4",1/2",3/4",1" NPT or G,also sanitary

Hysteresis,Repeatability

0,05% of FS

Stability

0,15% of FS/year

Zero Balance

+/- 5 % full scale

Ordering

TMPS600 . XXX . XX . XX . XX . XXX.XX	Housing	AL : Aluminium SS : AISI316
	Electrical Connection	EX : Ex-proof ex d IIC T4 IP : IP67
	Process Connection	01 : G 1/2" (please specify other size as X) 02 : 1/2" NPT-M 03 : G 1/4" 04 : 1/4" NPT-M 05 : 1"
	Pressure Type	01 : Relative
	Measuring Range (Please see "Measuring Ranges Table")	
	Output	420 : 4-20 mA (please specify other output as X) 050 : 0-5 VDC 010 : 0-10 VDC 421 : 4-20 mA+HART

TMPS600 Series

Dimensions

