

# PRESSURE TRANSMITTER PT5000

**Protection Class: IP65**  
**Measuring Range: 0/25 mbar up to 0/1000 bar available**  
**To shift the zero position and adjustable Max. Range: ±10% available**

## Technical Data

**Hysteresis Repeatability:** ±0.05% of full scale  
**Range:** refer to the Measure Range Table  
**Power Supply:** 10.5 to 36 volts DC  
**Output Signal:** 4-20 mA, 2 wires  
**Thermal Compensation Range:** -10~+80°C  
**Ambient Temperature:** -40°C to +80°C; Medium Limited Temperature: -40°C~+120°C  
**Conduit Connection:** DIN43650, PG11 packing gland  
**Wetted Parts Material:** SS316L  
**Housing Material:** SS304  
**Process Connection:** Male of ½"NPT (standard), PF ; or G1", M30 x 2, G½" with flush diaphragm available



Approvals:



Measuring Range	25 mbar	100 mbar	400 mbar	0/1 ~ 0/1000 bar
Overpressure Limit (repeated, without hysteresis)	1 bar	1 bar	2.5 bar	4 x range; max. 1200 bar
Damaging Overpressure	2 bar	2 bar	2.5 bar	8 x range; max. 2000 bar
Accuracy	0,6%	0,3%	0,2% (0,16% - special version)	
Long Term Stability	0,6% / year	0,2% / year	0,1% / year	
Thermal Error	Typically 0,5% / 10°C Max. 0,6% / 10°C	Typically 0,3% / 10°C Max. 0,4% / 10°C		Typically 0,2% / 10°C Max. 0,3% / 10°C

## Range Table

(Unit: mbar): Others measuring range are on request.

Code	Range	Code	Range
25m	0/25 mbar	160m	0/160 mbar
40m	0/40 mbar	200m	0/200 mbar
60m	0/60 mbar	250m	0/250 mbar
80m	0/80 mbar	300m	0/300 mbar
100m	0/100 mbar	400m	0/400 mbar

(Unit: bar): Others measuring range are on request.

Code	Range	Code	Range
-1	0/-1 bar	16	0/16 bar
0.25	0/0.25 bar	25	0/25 bar
0.40	0/0.4 bar	40	0/40 bar
0.60	0/0.6 bar	60	0/60 bar
1	0/1 bar	100	0/100 bar
1.6	0/1.6 bar	160	0/160 bar
2.5	0/2.5 bar	250	0/250 bar
4	0/4 bar	400	0/400 bar
6	0/6 bar	600	0/600 bar
10	0/10 bar	1000	0/1000 bar

(Unit: bar abs): Others measuring range are on request.

Code	Range	Code	Range
1a	0/1 bar abs	40a	0/40 bar abs
1.6a	0/1.6 bar abs	60a	0/60 bar abs
2.5a	0/2.5 bar abs	100a	0/100 bar abs
4a	0/4 bar abs	160a	0/160 bar abs
6a	0/6 bar abs	250a	0/250 bar abs
10a	0/10 bar abs	400a	0/400 bar abs
16a	0/16 bar abs	600a	0/600 bar abs
25a	0/25 bar abs	1000a	0/1000 bar abs

## Ordering Information

PT5000	Code	Pressure Range
Please refer to the Measuring Range Table, and fill in the 「code」 or 「requested range」 directly. (ex. 100m or 50mbar)		
	<b>Code</b>	<b>Wetted Parts Material</b>
	1	SS316L (standard)
	<b>Code</b>	<b>Connection Port (Male)</b>
	<b>U</b>	½"NPT, standard
	<b>B</b>	½"PF
	<b>S</b>	Customized
	<b>DG1</b>	G1" c/w flush diaphragm
	<b>DM30</b>	M30x2 c/w flush diaphragm
	<b>DG½</b>	G½" c/w flush diaphragm

Complete Ordering Code: **PT5000** [ ] [ ] [ ] [ ]

## Dimensions / Connection Diagram

### Port Types:

