

# Model EPT2000 series

OEM Pressure Transmitter  
Stainless steel pressure sensor  
Mass production, automated calibration

## Features

- ❑ Measuring ranges from 100mbar to 600bar
- ❑ Gauge pressure, Absolute pressure
- ❑ Accuracy:  $\pm 0.1\%$ FSO(Min.),  $\pm 0.25\%$ FSO(Typ.)
- ❑ Calibrated and temperature compensated
- ❑ Stainless steel pressure sensor
- ❑ Output 4...20mA,RS485,HART and others



## Application

- ❑ Hydraulic and pneumatic
- ❑ Machine building
- ❑ Water treatment
- ❑ IoT pressure measurement

## Technical data

### Performance

Accuracy*	0.1%FS@25°C(Min.) 0.25%FS@25°C(Typ.)	*Linearity (best straight line) + Hysteresis + Repeatability
Operating Temperature	-20 to 85°C	
Compensated Temperature Range	-10 to 70°C	
Temp. coeff - Zero	$\pm 0.75$ [Typ.], $\pm 1.5$ [Max.]	
Temp. coeff - Span	$\pm 0.75$ [Typ.], $\pm 1.5$ [Max.]	
Vibration	20 g RMS(20 to 2000Hz)	
Shock	100 g(10ms)	
Cycles	$10 \times 10^5$	
Long Term Stability	0.2 %FS	

### Electrical @25°C

Output signal / Supply	2-wire 4...20mA / $V_s = 12...30$ VDC
	2-wire 4...20mA+HART / $V_s = 12... 30$ VDC
	4-wire RS485 Modbus RTU / $V_s = 12... 30$ VDC
Insulation Resistance	100 M $\Omega$ @100VDC
EMC Test	IEC61000-6-2/IEC61000-6-3
Reverse polarity protection	No damage - no function

### Physical Specifications

Housing	304 stainless steel
Diaphragm	316L stainless steel
Sealing	NBR or Viton O-ring
Oil Filling	Silicone oil
Protection	IP65
Weight	~500g(without cable)

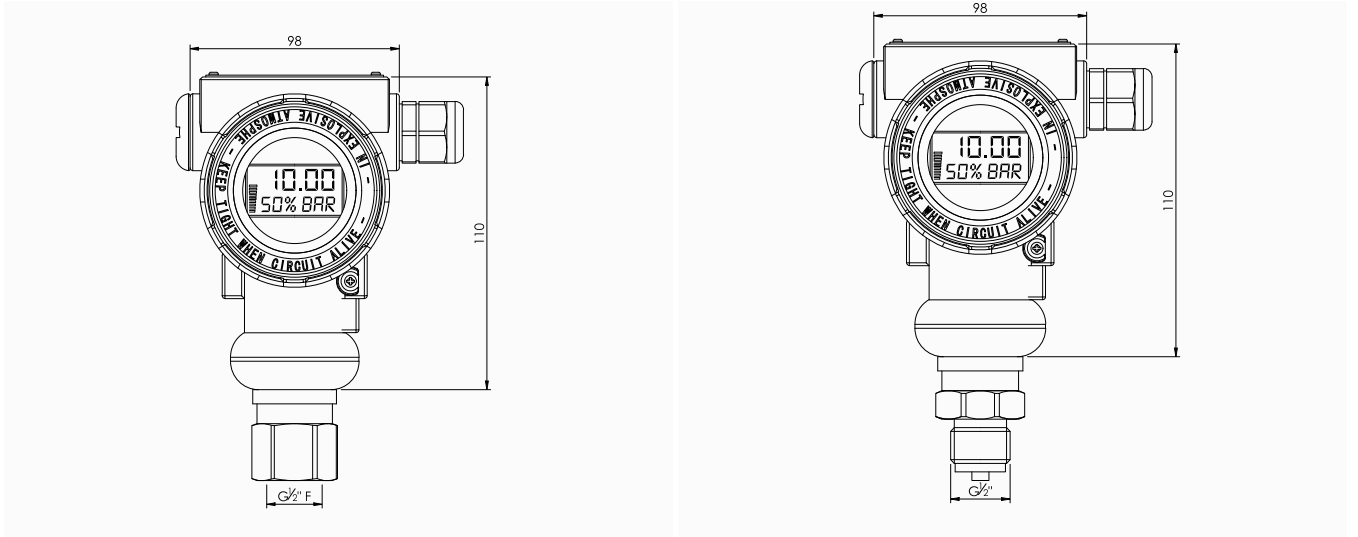
The listed specifications and dimensions are subject to change without prior notice

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## Dimensions (All dimensions in mm)



## Standard pressure range

Code	Nominal pressure [bar]	Gauge	Sealed gauge	Absolute
01	0...0.1	✓		
02	0...0.2	✓		
03	0...0.35	✓		✓
04	0...0.7	✓		✓
05	0...1	✓		✓
06	0...1.6	✓		✓
07	0...2.5	✓		✓
08	0...4	✓		✓
09	0...6	✓		✓
10	0...10	✓		✓
11	0...16	✓	✓	✓
12	0...25	✓	✓	✓
13	0...40		✓	
14	0...60		✓	
15	0...100		✓	
16	0...160		✓	
17	0...250		✓	
18	0...400		✓	

Code	Nominal pressure [bar]	Gauge	Sealed gauge	Absolute
19	0...600		✓	
20	-0.1...+0.1	✓		
21	-0.2...+0.2	✓		
22	-0.5...+0.5	✓		
23	-1...0	✓		
24	0...-1	✓		
25	-1...+1	✓		
26	-1...+1.6	✓		
27	-1...+2.5	✓		
28	-1...+4	✓		
29	-1...+6	✓		
30	-1...+9	✓		
31	-1...+10	✓		
32	-1...+16	✓		
33	-1...+25	✓		
34	0.8...2	✓		✓

## Ordering code

Model	Range	Type	Output/Power supply	Pressure Port	Medium temperature
EPT2000	code	G Gauge	42 4...20mA/12...30VDC	01 G¼ male	E1 -20 to +85°C
		A Absolute	R4 RS485 Modbus RTU/12... 30VDC	02 G½ male	E2 -20 to +100°C
			HR 4...20mA+HART /12... 30VDC	03 ¼NPT male	E3 -20 to +150°C
				04 ½NPT male	
				05 PT¼ male	
				06 PT½ male	
				07 M20x1.5 male	
				99 Custom	

Accuracy	Display	Electrical Connection	Label
A1 0.1%FS	1 LCD display	M M20x1.5	S Standard
A2 0.25%FS(Standard)	2 LED display	N 1/2"NPT	N Neutral packing
A3 0.5%FS	0 Without display		C Custom label