

Eurosensor

- Long life and high performance
- Light weight stainless steel design
- Low cost pressure measuring

The newly designed EPT2100 is an ideal pressure transducer for various cost sensitive applications.

The silicon measuring cells used within this design coupled with the high level output circuitry, assures excellent accuracy and long term stability within a light weight design.

The silicon sensing element is compatible with many medias, including oil, compressed air and dry non aggressive gases and is suitable for applications with measuring ranges from 250 mbar to 40 bar.



Specification

opeomedien		
Performance		
Accuracy @ RT	% of the range < 1.00 (< 0.5 optional) BFSL \leq 0.25	(incl. nonlinearity, hysteresis, repeatability, zero-offset and final offset acc. to IEC 61298-2)
Non-linearity	% of the range ≤ 0.15	
Repeatability	% of the range ≤ 0.10	
Stability/year	% of the range ≤ 0.10	
Overrange pressure	up to 2x rated pressure / max 69bar	
Burst pressure	up to 5x rated pressure / max 103bar	
Pressure cycles	> 10 million	
Environment		
Temperature [°C]: Measuring medium Ambience Storage Compensated range	-40125 -40105 (85 for 420mA output) -40105 -2085	
Temperature coefficient within the compensated range:		

Shock	1000 G, 11 msec., 1/2 Sine	
Vibration	16 G peak, 20 to 2000 Hz	
Sealing	IP 66	
Electronics		
Excitation	5 VDC for 0.5 – 4.5 V output, 10 - 32 VDC for 0 - 5 V, 1 - 5 V, 420 mA output 12 - 32 VDC for 0 – 10V output	
Current consumption	< 7.5 mA	
Short circuit protection	Yes	
Reverse voltage protection	Yes	
Mechanics		
Housing	304 stainless steel	
Wetted parts	Silicon, Aluminium, Silicone adhesive, Stainless Steel 304, NBR O-Ring seal	
Pressure port	see select table	
Electrical connection	see select table	
Weight	ca. 25 g	

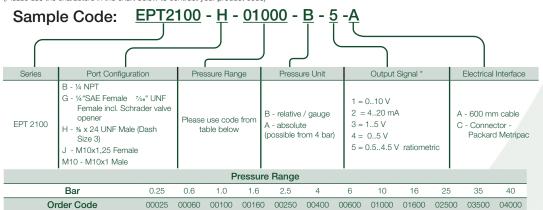
Ordering Information

Mean TC offset

Mean TC range

Please use the characters in the chart below to contruct your product code)

% of the range $\leq 0,15 / 10K$ % of the range ≤ 0,15 / 10K



* Not all configurations are possible, please contact our sales team to verify your configuration

Custom options available on request

The EPT2100 series are backed by a 1 Year Warranty. The purchaser is responsible for compatibility of the media, functional adequacy and correct installation of the transmitter.

The following models are typically available from stock:

EPT2100-H-01000-B-5-A EPT2100-H-01600-B-5-A

Dimensions and wiring

