



- ▶ **Miniature design**
- ▶ **Lightweight stainless steel construction**
- ▶ **Long life, high performance**
- ▶ **Up to 500 bar pressure range**

The miniature design of the EPT 1200 series uses a hermetically welded, thin film measuring cell, coupled with high level output circuitry.

This technology ensures this sensor is suitable for some of industries harshest environments, including automotive, industrial hydraulics, refrigeration, off-road, construction and agricultural applications.

The EPT1200 series offers measurements in gauge pressure, with ranges up to 500 bar and is backed by a one-year warranty.

Specifications

Performance

Accuracy at RT	% of measuring range <0.50 BFSL ≤ 0.125	(including non-linearity, Hysteresis, repeatability, zero point displacement and final adjustment according to IEC 61298-2
Non-linearity	% of measuring range ≤ 0.15	
Repeatability	% of measuring range ≤ 0.10	
Stability / year	% of measuring range ≤ 0.10	
Overload pressure	Up to 2x nominal pressure	
Burst pressure	Up to 3x nominal pressure	
Pressure cycles	> 10 Million	

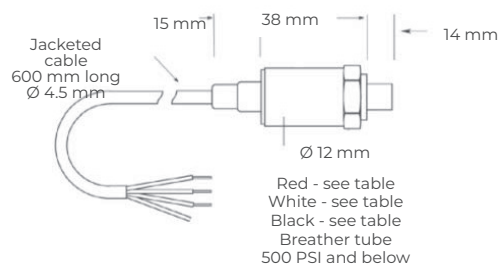
Environment

Temperature [°C]:	
Measuring medium	-40...+125
Environment	-40...+125
Storage	-40...+125
Compensated range	-20...+85
Temperature coefficient within the compensated range:	
Medium TC offset	% of measuring range ≤ 0.15/10K
Mittlerer TC range	% of measuring range ≤ 0.15/10K
Total error	% of measuring range -40 °C 2.00% % of measuring range 105 °C 2.00%
Shock	1000 G, 11 msec., 1/2 Sine
Vibration	16 G peak, 20 to 2000 Hz
Protection class	IP 67



Specifications	
Electronics	
Excitation	5 VDC for 0.5 - 4.5 V output 10 - 32 VDC for 0 - 5 V, 1 - 5 V output
Output impedance	< 100 Ω
Current consumption	< 10 mA
Reverse voltage protection	Yes
Mechanics	
Wetted parts	17-4PH stainless steel
Housing	304 stainless steel
Pressure port	see select table
Electrical connection	see select table
Weight	< 25g

Dimensions



Wiring

Connection colour codes	Output	Red	Black	White
	0,5 - 4,5V, 1 - 5 V , 0 - 5 V	+ Supply	- Supply	Output



Ordering information

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

Sample Code

EPT1200 - K - 40000 - B - 4 - A

Port Configuration

K M8 x1

Pressure Range

See table below*

Pressure Unit

B gauge pressure

Output signal

3 1..5 V

4 0..5 V

5 0.5...4.5 V ratiometric

Electrical Connection

A 600mm Flat ribbon cable

E Booted with 600mm sleeved cable (standard)

Pressure Range										
Bar	10*	16*	25	40	60	100	160	250	400	500
Order Code	01000	01600	02500	04000	06000	10000	16000	25000	40000	50000

*Accuracy ≤ 1% instead of 0,5% for the pressure range ≤ 20 bar

The EPT1200 series is backed by a 1 Year Warranty. The purchaser is responsible for compatibility of the media, functional adequacy and correct installation of the transmitter.

If you require a customized solution for your program contact our sales team.