

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

The miniature design of the **EPT 1200** and **EPT 1500** 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** and **EPT1500** series offer measurements in gauge pressure, with ranges up to 35 bar (EPT1500) and up to 500 bar (EPT1200) and are backed by a one-year warranty.



Specification

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	

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

Ordering Information

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

Sample Code: EPT1200 - K - 40000 - B - 4 - A

Series	Port Configuration	Pressure Range	Pressure Unit	Output Signal	Electrical Interface
EPT 1200	K - M8 x 1	10- 500 Bar Please insert code from chart below	B - gauge pressure	3 = 1.5 V 4 = 0.5 V 5 = 0.5..4.5 V ratiometric	A - 600 mm Flat ribbon cable E - Booted with 600mm sleeved cable (Standard)

Custom options available on request

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

Sample Code: EPT1500 - H - 01000 - B - 4 - A

Series	Port Configuration	Pressure Range	Pressure Unit	Output Signal	Electrical Interface
EPT 1500	H - 3/8 UNF Male (Dash Size 3) K - M8x1 M - M10x1	0 - 35 Bar Please insert code from chart below	B - gauge pressure	3 = 1.5 V 4 = 0.5 V 5 = 0.5..4.5 V ratiometric	A - 600 mm Flat ribbon cable E - Booted with 600mm sleeved cable (Standard) G - Shrink cap with 600mm cable

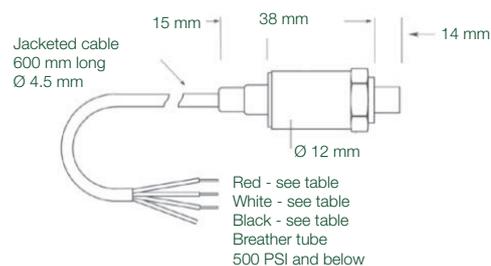
Custom options available on request

Pressure Range											
Bar	0.25	0.6	1.0	1.6	2.5	4	6	10	16	25	35
Order Code	00025	00060	00100	00160	00250	00400	00600	01000	01600	02500	03500

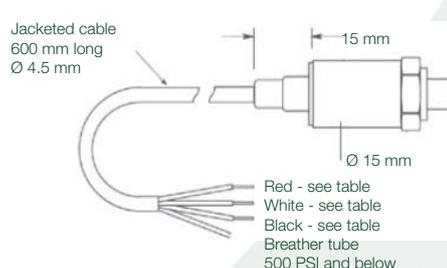
The EPT1200 and EPT1500 series are backed by a 1 Year Warranty. The purchaser is responsible for compatibility of the media, functional adequacy and correct installation of the transmitter.

Dimensions

EPT1200



EPT1500



Wiring

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