

EPT1400 Pressure Sensor



Eurosensor

- Miniature design Ø14 mm
- Lightweight stainless steel construction
- Long life, high performance



The **EPT1400** is a high quality all stainless steel pressure transducer intended for use in the measurement of gases and liquids compatible with stainless steel.

The miniature design uses a hermetically welded, thin film measuring cell, coupled with high level output circuitry that is suitable for some of industries harshest environments, including automotive, industrial hydraulics,refrigeration, offroad, construction and agricultural applications.

The **EPT1400** offers measurement in gauge pressure, up to 250 bar and is backed by a one-year warranty.

Specification

Performance

Pressure:

Accuracy @ RT	< +/-0.8%
Stability (1 Year)	< ± 0.1 %
Overrange pressure	up to 4x rated pressure
Burst pressure	up to 6x rated pressure
Pressure cycles	> 10 million
Pressure response time	<1ms

Environment

Temperature	-40° to 125°C
Shock	1000 G, 11 msec., 1/2 Sine
Vibration	25 G peak, 20 to 2000 Hz
Sealing	IP 67

Electronics

Excitation for output pressure	5 VDC for 0.5 - 4.5 V output, 10 - 32 VDC for 0.5 - 4.5 V
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	ca. 40 g

Ordering information

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

Sample Code: EPT1400 - K - 01000 - B - 4 - A

Series	Port Configuration	Measurement Range	Pressure Unit	Output Signal	Electrical Interface
EPT1400	K = M8 x 1	The sensor is available up to 250 Bar	B - gauge pressure	4 = 0.5..4.5 V - (with 10-32V supply) 5 = 0.5..4.5 V - (with 5V supply voltage)	A - 600 mm cable E - Booted with 600mm sleeved cable

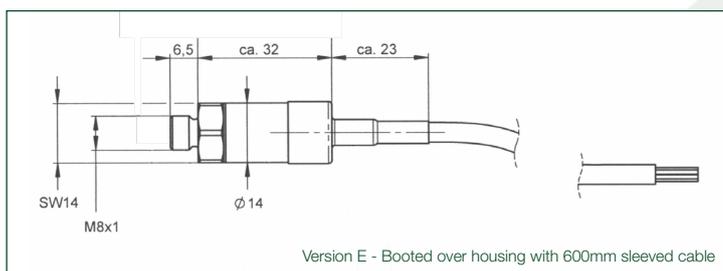
Custom options available on request

Pressure Range

Bar	2	6	10	16	25	40	50	60	100	160	250
Order Code	00200	00600	01000	01600	02500	04000	05000	06000	10000	16000	25000

The EPT1400 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.

Dimensions & wiring



Output	Red	Black	White
Pressure 0.5-4.5V	+ Pressure	- Pressure	Output pressure



Version E - with 600mm sleeved cable



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Subject to change without notice