

# Pressure Sensor - EPT2200



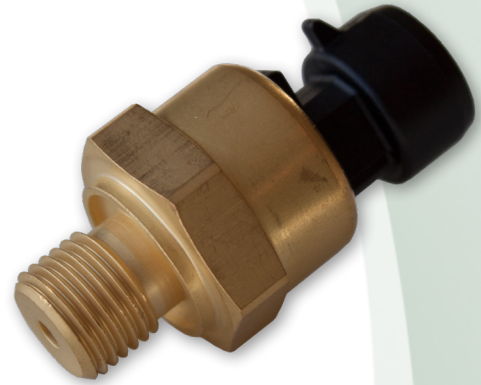
Eurosensor

- Long life and high performance
- Rugged brass design
- Low cost pressure measuring

The newly designed **EPT2200** is based on the EPT2100 but optimised for large production runs and is an ideal pressure transducer for cost sensitive applications.

The monolithic 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 monolithic sensing element is compatible with many medias, including oil and compressed air and is suitable for applications with measuring ranges from **0...6 to 40 bar**.



## Specification

Performance		Electronics	
Accuracy	< +/-1.0% at RT	Excitation	5 VDC at 0.5 - 4.5 V, 10 - 32 VDC for 4...20 mA output
Stability (1 Year)	< ± 0.1 %	Current consumption	< 7.5 mA
Overrange pressure	up to 2x rated pressure / max 69bar	Short circuit protection	Yes
Burst pressure	up to 5x rated pressure / max 103bar	Reverse voltage protection	Yes
Pressure cycles	> 10 million	Mechanics	
Environment		Housing	Brass
Temperature	-40° to 105°C	Pressure port	see select table
Shock	1000 G, 11 msec., 1/2 Sine	Electrical connection	see select table
Vibration	16 G peak, 20 to 2000 Hz	Weight	ca. 25 g
Sealing	IP 66		

## Ordering information

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

**Sample Code: EPT2200 - A - 01000 - B - 5 - A**

Series	Port Configuration	Pressure Range	Pressure Unit	Output Signal	Electrical Interface
EPT 2200	A - G1/4" male C - 1/8" NPT Male G - 1/4" SAE Female ± 7/16" UNF Female incl. Schrader valve opener	Please use code from table below	B - relative / gauge	2 = 4..20 mA 5 = 0.5..4.5 V ratiometric	A - 600 mm cable B - Miniature EN175301-803-C connector C - connector - Packard Metripac

Order Code	Pressure Range						
	Bar	6	10	16	25	35	40
	00600	01000	01600	02500	03500	04000	

The EPT2200 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.

Custom options available on request

## Dimensions and wiring

Dimensions: 18 mm, 18 mm, 14 mm, 15 mm, 54 mm, 22 mm, 8 mm.

Wiring options: Packard Metripac 150 series connector, DIN EN 175301-803 connector, Jacketed cable 600 mm long Ø 4.5 mm.

### Connection colour codes

Type	Output	PIN A	PIN B	PIN C
Packard	0.5 - 4.5V	- Supply	+ Supply	Output +
	4..20mA	Current output -	+ Supply	N/A
DIN EN 175301-803-C	0.5 - 4.5V	- Supply	+ Supply	Output +
	4..20mA	Current output -	+ Supply	N/A
Cable	0.5 - 4.5V	+ Supply	- Supply	Output +
	4..20mA	+ Supply	Current output -	N/A

