



- ▶ **Combined pressure and temperature measurement**
- ▶ **Lightweight stainless steel construction**
- ▶ **Long life, high performance**

The EPTTE1400 is a high quality all stainless steel combined pressure and temperature 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 EPTTE1400 offers measurement in gauge pressure, up to 25 bar and is backed by a one-year warranty.

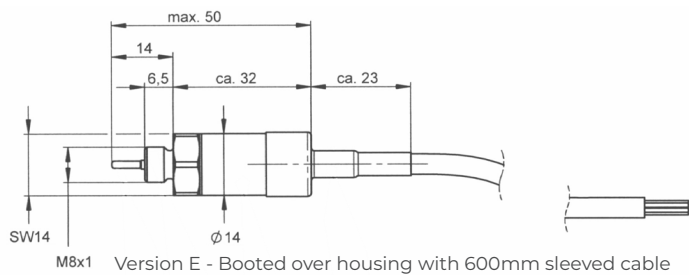
Specifications	
Performance	
Pressure:	
Accuracy @ RT	< +/-0.8%
Stability (1 Year)	< ± 0.1 %
Overrange pressure	up to 4x rated pressure
Burst pressure	up to 6x rated pressure
Pressure cycles	> 10 million
Pressure response time	<1ms
Temperature:	
Temperature range	-50 to +150°C linear output
Accuracy	< ± 0.8 %
Non Linearity	<1%
Temperature response time	<15s
Sealing	IP 67

# EPTTE1400 PRESSURE/ TEMPERATURE SENSOR



Specifications	
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	4 = 10-32 VDC for 0.5 – 4.5 V Output 5 = 5 VDC for 0.5 – 4.5 V Output
Output temperature	PT1000
Current consumption	< 10 mA
Reverse voltage protection	Yes
Mechanics	
Housing	304 stainless steel
Wetted parts	17-4PH stainless steel
Pressure port	see select table
Electrical connection	see select table
Weight	ca. 40 g

## Dimensions



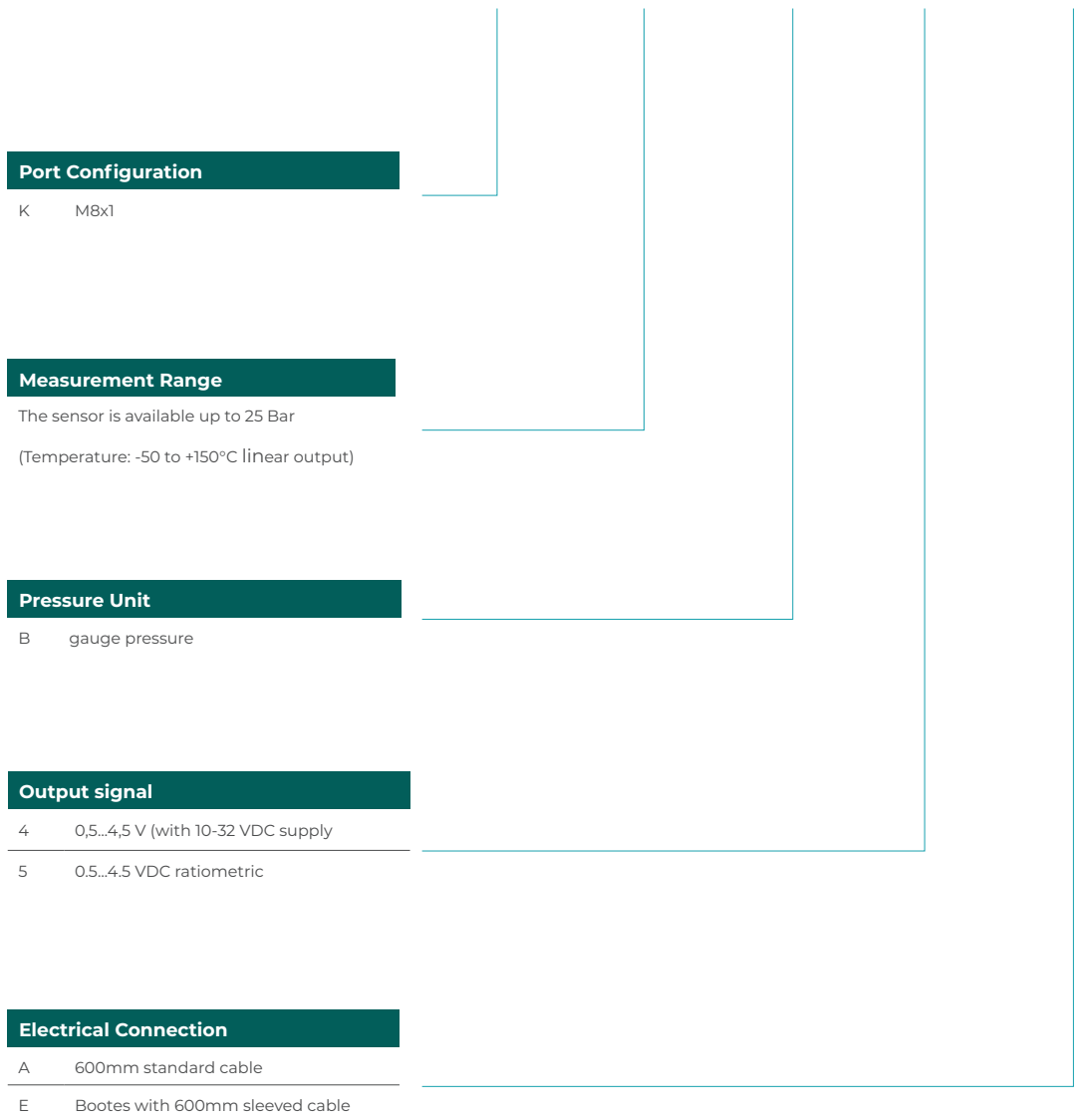
Output	Red	Black	White	Blue/Green
Pressure 0.5-4.5V Temp. PT1000	+ Pressure	- Pressure	Output pressure	Output Temperature



## Ordering information

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

**Sample Code**            EPTTE1400 - K - 01000 - B - 4 - A



### Port Configuration

K    M8x1

### Measurement Range

The sensor is available up to 25 Bar  
(Temperature: -50 to +150°C linear output)

### Pressure Unit

B    gauge pressure

### Output signal

- 4    0,5...4,5 V (with 10-32 VDC supply)
- 5    0,5...4,5 VDC ratiometric

### Electrical Connection

- A    600mm standard cable
- E    Bootes with 600mm sleeved cable

### Pressure Range

Bar	2.0	6	10	16	25
Order Code	00200	00600	01000	01600	02500

## Stock model: EPTTE1400-K-01000-B-4-A

Custom options available on request

The EPTTE1400 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.