

Pressure / Temperature sensor



EPTTE1400

- 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 hermitically 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.



Specification

Performance

Pressure:

Accuracy	< +/-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

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 at 0,5 - 4,5 V,
Output temperature	PT1000
Current consumption	< 10 mA
Reverse voltage protection	Yes

Mechanics

Housing incl. wetted parts	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: EPTTE1400 - K - 01000 - B - 4 -A

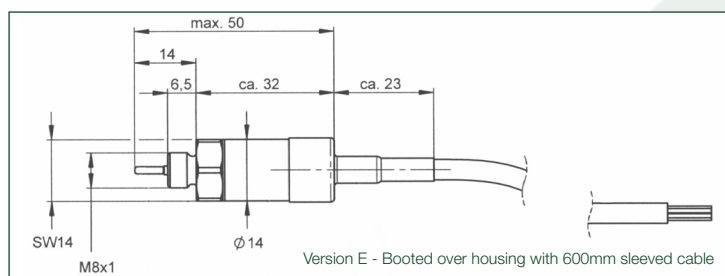
Series	Port Configuration	Measurement Range	Pressure Unit	Output Signal	Electrical Interface
EPTTE1400	K = M8 x 1	The sensor is available up to 25 Bar (Temperature: -50 to +150°C linear output)	B - gauge pressure	5 = 0.5..4,5 V ratiometric	A - 600 mm cable E - Booted with 600mm sleeved cable

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

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.

Dimensions & wiring



Output	Red	Black	White	Green/Shield
Pressure 0,5-4,5V Temp. PT1000	+ Pressure	- Pressure	Output pressure	Output Temperature



Version A - with 600mm sleeved cable