

Variohm EPT3100 Pressure Sensor 100Bar



Brand: Variohm

Product Code: EPT3100H10000B5A

Availability: 7 Days

Weight: 0.10kg

Dimensions: 5.00cm x 2.00cm x 2.00cm

Price: \$295.00

Short Description

The EPT3100 is a high performance pressure transducer with a ratiometric (0.5-4.5V) linear output and pressure ranges up to 4000 BAR available. Perfect for oil and fuel pressure measurement as well as brake pressures.

Description

The EPT3100 Pressure Transducer is a high quality all stainless steel pressure transducer, intended for use in the measurement of gases and liquids compatible with stainless steel. The EPT3100 is suitable for automotive, industrial hydraulics, refrigeration off-road, construction and agricultural applications. The EPT3100 strain gauge sensing element coupled with the latest ASIC circuitry, assures excellent accuracy, choice of high level outputs and long stability, protected within a rugged, stainless steel housing.

The EPT3100 high strength stainless steel construction contains non-silicone oil and no internal 'O' rings. Measurements are available in gauge and absolute pressure, with ranges up to 4,000 Bar and are backed by a one-year warranty.

Specification

Performance

Accuracy	< +/-0.5% at RT
Stability (1 Year)	< ± 0.1 %
Overrange pressure	up to 2x rated pressure
Burst pressure	up to 5x rated pressure
Pressure cycles	> 10 million

Environment

Temperature	-40° to 125°C
Shock	1000 G, 11 msec., 1/2 Sine
Vibration	25 G peak, 20 to 2000 Hz
Sealing	IP 66, optional IP69K

Electronics

Excitation	5 VDC for 0.5 – 4.5 V output
Output impedance	< 100 Ω
Current consumption	< 10 mA
Reverse voltage protection	Yes

Mechanics

Housing incl. wetted parts	304 stainless steel
Pressure port	-3 AN
Electrical connection	600mm cable
Weight	ca. 60 g