

Variohm EPT3100 Pressure Sensor 160Bar



Brand: Variohm
Product Code: EPT3100H16000B5A
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 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 ? |
| 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 |