Product Specifications

**Dimensions**

- Measurement Range: 15 to 115 kPa (approximate)
- Maximum Pressure Exposure: 400 kPa (exposure beyond this limit may cause permanent damage to sensor)
- Sensitivity: 45.9 mV per kPa; 0.459 mV per 0.01 kPa (approximate)
- Calibration Factor: 0.0218 kPa per mV (generic slope; reciprocal of sensitivity) and 11.4 kPa (generic intercept)
- Measurement Uncertainty: ± 1.5 % (with generic calibration coefficients)
- Measurement Repeatability: Less than 0.1 %
- Non-linearity: Less than 1 %
- Warm-up Time: 20 ms
- Response Time: 1 ms
- Temperature Response: Less than 0.002 % per C for temperatures greater than 0 C; -0.015 % per C for temperatures less than 0 C
- Operating Environment: -40 to 80 C; 0 to 100 % relative humidity (non-condensing)
- Input Voltage Requirement: 5 V DC
- Output Voltage Requirement: 0 to 5 V DC
- Current Draw: 7 mA DC
- Dimensions: 16 mm diameter
- Mass: 5 g
- Cable: 12 cm pigtail
- Warranty: 4 years against defects in materials and workmanship

**Features**

**High Accuracy and Stability**
Accurate within 1.5 % across a pressure range of 15 to 115 kPa (4.43 to 34.96 in Hg). Long-term non-stability has been measured continuously indoors and in natural conditions (with sensors mounted inside a datalogger enclosure) for multiple sensors and is less than 0.5 % per year. Temperature effects on signal are less than 1 % across a wide temperature range (-20 to 50 C).

**Low Power, Large Signal**
Pressure sensor power requirement is approximately 35 mW (7 mA current draw at 5 V DC). Voltage output ranges from 0 to 5 V DC for a pressure range of 15 to 115 kPa.