

QuickStart™ Pressure Sensor

Specification Sheet

I2C PS200F/I2C PS200M

QuickStart Pressure Sensor

The QuickStart pressure sensor is specifically designed for *in vitro* Diagnostics, Biotechnology and Point-of-Care applications, with a pressure range of 0.25-14 bar_{abs}. The flow through design reduces crossover contamination and bubble entrapment.

The QuickStart pressure sensor is available as a stand-alone or manifold mount and available with accessories to validate the sensor for your application in a short amount of time.

Product Specifications

Output Signal: Digital

Operating Voltage: 5.0V

Digital Communication Bus: I²C

Full Scale Pressure Range: 0.25 bar_{abs} – 14 bar_{abs}
(3.6 psi_{abs} – 200 psi_{abs})

Inaccuracy below full scale: <137.5 mbar_{abs} (2 psi_{abs})*

Pressure Detection Response Time: 67ms

Operating Temperature: +5°C to +50°C

Ambient Storage/Shipping Temperature:
-30°C to +60°C

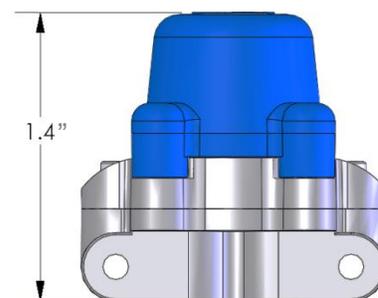
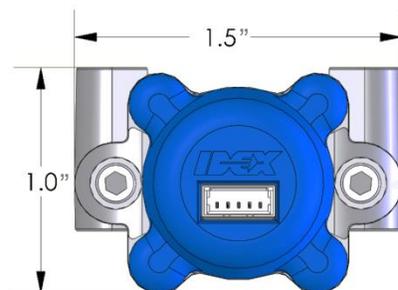
Proof Pressure: 28 bar_{abs} (400 psi_{abs})

Body materials: PEEK

Drift Spec: ±1.4 mbar (0.02 psi) per year
(maximum value at ambient conditions)

Power consumption: 40 mW

*Pressure sensor has been calibrated and tested with N₂ Gas



Sensitivity: 0.21 mbar (.003 psi)

This is the minimal pressure change the sensor can detect

Fitting Port Type: Flat bottom ¼-28 standard or Flat bottom M6

Mounting holes accept: 4-40 or M3x.5 screws

Intended use for liquids only (see wetted materials for compatibility concerns)

Internal Volume

I2C PS200F (standalone option): 50 µl

I2C PS200M (manifold option): 41 µl

Wetted Materials

- › PEEK Housing
- › Viton O-ring
- › 316L SS