P-Series Pressure Transducers and Controllers

ABSOLUTE, GAUGE, AND DIFFERENTIAL PRESSURE

NIST-traceable accuracy to ±0.125% of reading

No warm-up required

Steady state control 0.01–100% of full scale

30 millisecond response times

P-Series Pressure Transducers and Controllers

MONITOR OR CONTROL PRESSURE IN FLOWING PROCESSES CLOSED VOLUMES

P/PC Transducer or Controller

Measure or control absolute, gauge, and differential pressure up to 130 gases, including common corrosives.

PCD Bi-Directional Control

Eliminate the need to continuously bleed gases with dual valve controllers that proportionally control flow and exhaust.

PC3 Remote Sensing

Control pressure anywhere in your process with a remote sense port.

PB Portable Transducer

Measure pressure anywhere for on-the-go process calibration, verification, and validation with an 18 hour battery life and intuitive interface.

Quick Specifications:

Available Ranges:
0–3000 PSIA max; 0–15 PSIA min
0–3000 PSIG max; 0–0.07 PSIG min
2 inH_2O to 500 PSID

Accuracy:
±0.125% of full scale

Steady State Control Range:
0.01–100% of full scale

Response Time:
10 ms measurement response;
30ms control response

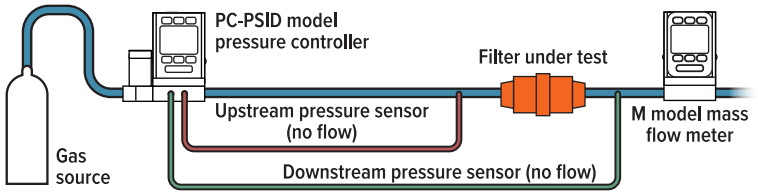
Repeatability:
0.08% of full scale

Analog Outputs:
0–5 Vdc, 0–10 Vdc, 4–20 mA

Digital Communications:
RS–232, RS–485, DeviceNet, EtherCAT, EtherNet/IP, Modbus RTU, TCP/IP, PROFIBUS

Filter Characterization

Characterize a filter's flow versus pressure drop curve by fixing the differential pressure across the filter using a pressure controller. The mass flow meter displays the resulting flow rate at a given pressure drop.



Closed-Volume Pressure Control

Reliably maintain pressure within instruments to prevent pressure change problems that can cause everything from basic measurement errors to an entire system's optics being rendered useless.

Anglo-Australian Telescope at Siding Spring Observatory, NSW, Australia – Angel Lopez-Sanchez (AAO-MQU)