

P-Series Pressure Transducers and Controllers

ABSOLUTE, GAUGE, AND DIFFERENTIAL PRESSURE OPTIONS

AVS

*NIST-traceable accuracy
up to $\pm 0.125\%$ of full scale*

*No warm-up
required*

*Steady state control
0.01–100% of full scale*

*30 millisecond
response times*



Fast. Repeatable. Stable.

P-Series Pressure Transducers and Controllers

MONITOR OR CONTROL PRESSURE IN FLOWING PROCESSES OR CLOSED VOLUMES

AVS

Quick Specifications:

Available Ranges:

0–3000 PSIA max; 0–15 PSIA min
0–3000 PSIG max; 0–0.07 PSIG min
2 inH₂O to 500 PSID

Accuracy:

Standard: $\pm 0.25\%$ of full scale
High: $\pm 0.125\%$ of full scale

Steady State Control Range:

0.01–100% of full scale

Response Time:

10 ms measurement response;
30 ms control response

Repeatability:

0.08% of full scale

Communications:

Analog, RS–232, RS–485, DeviceNet,
EtherCAT, EtherNet/IP, Modbus RTU,
TCP/IP, PROFIBUS, PROFINET



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 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.

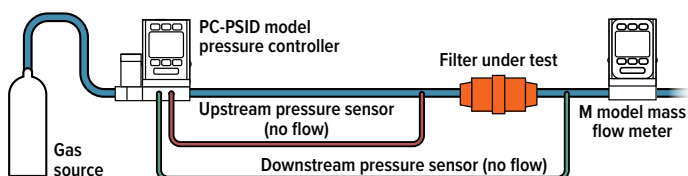


PB Portable Transducer

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

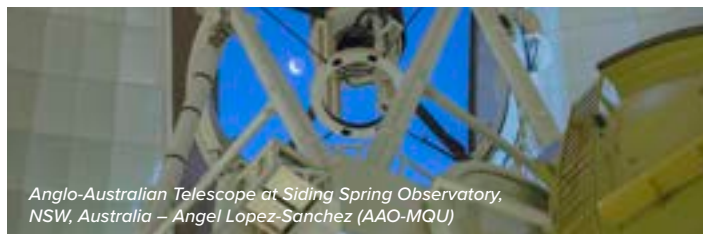
Filter Characterization

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)