Low Range Differential Pressure Transmitter

±0.25% or ± 0.5% Full Scale Accuracy, Ranges from 0-0.1 in w.c.

Series 607 Differential Pressure Transmitter combines very low ranges with exceptional stability, reliability and either ±0.25% or ±0.5% accuracy for the most demanding applications. Ranges from 0-0.1 to 0.25 in w.c. Ultra thin glass clad silicon diaphragm design resists shock and vibration, practically eliminates drift. Certification to NIST standards is included with each unit. Tough stainless steel housing is NEMA-2 rated to protect against moisture and dirt. Use with air and other compatible gases.

SPECIFICATIONS
Service: Air and non-conductive, non-corrosive gases.
Accuracy: ±0.25% or ± 0.5% FS.
Stability: ±0.5% FSO/yr.
Temperature Limits: -20 to 180°F (-29 to 82°C).
Pressure Limits: ±10 psig (0.69 bar).
Compensated Temp. Range: 35 to 135°F (2 to 57°C).
Thermal Effects: ±0.015% FS°F (zero and span).
Power Requirements: 12-36 VDC.
Output Signal: 4 to 20 mA DC, 2-wire.
Agency Approvals: CE.

Price — All Series 668 models $159.00

*Also available with optional conduit cover. To order add “C” to part number, i.e. 668C-1, add $16.75. Consult factory for additional information.

Zero & Span Adjustments: Externally accessible potentiometers, non-interactive, ±10% FS adjustment.

Response Time: 250 msec max.
Loop Resistance: 0 to 1045 Ω
Vmin=12V-+(.22A)(RL).
Current Consumption: 3.6 mA (min).
Electrical Connection: Screw terminals.
Process Connection: Barbed stainless steel for 3/16" ID tubing.
Housing: 300 Series SS (NEMA 2, IP11).
Weight: 0.64 lb (290 g).
Agency Approvals: CE.

OPTION
For NIST traceable calibration certificate, use order code NISTCAL-PT1. $135.00

Our low cost Series 668 Differential Pressure Transmitter is capable of measuring low pressures with a ±1% accuracy — ideally suited for proper building pressurization and air flow control. Transmitters can withstand up to 10 psig overpressure with no damage to the unit. Variable capacitance sensor design provides excellent sensitivity and long-term stability. Compact, lightweight design makes installation simple and easy. Units also feature reverse-polarity protection.

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Bi-Directional

Model Range (in w.c.) Price Model Range (in w.c.) Price
668-1 0 to 0.25 in w.c. 668-6 0 to 10 in w.c. 668-10 0 to 0.1 in w.c. 668-11 0 to ±0.25 in w.c.
668-2 0 to 0.5 in w.c. 668-7 0 to 25 in w.c. 668-12 0 to ±0.5 in w.c.
668-3 0 to 1 in w.c. 668-8 0 to 50 in w.c. 668-13 0 to ±1 in w.c.
668-4 0 to 2.5 in w.c. 668-9 0 to 100 in w.c. 668-14 0 to ±2.5 in w.c.
668-5 0 to 5.0 in w.c. 668-15 0 to ±5 in w.c. 668-17 0 to ±25 in w.c.

See page 587 for process tubing options.

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