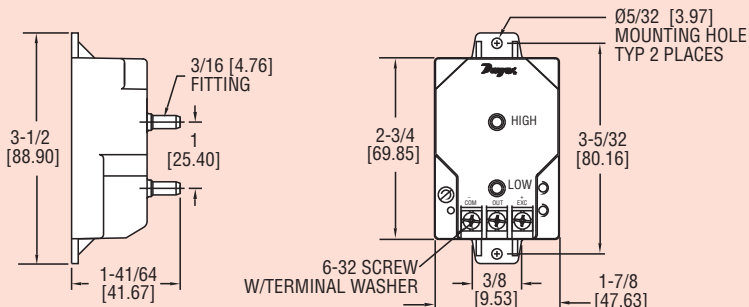




Series  
668

# Compact Differential Pressure Transmitter

Ranges from 0 to 0.25 in w.c., Overpressure Protection to 10 psig,  $\pm 1\%$  Accuracy  $\text{CE}$



**Our low cost Series 668 Differential Pressure Transmitter** is capable of measuring low pressures with a  $\pm 1\%$  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.

				Bi-Directional	
Model*	Range	Model*	Range	Model*	Range
668-1	0 to 0.25 in w.c.	668-6	0 to 10 in w.c.	668-10	0 to $\pm 0.1$ in w.c.
668-2	0 to 0.5 in w.c.	668-7	0 to 25 in w.c.	668-11	0 to $\pm 0.25$ in w.c.
668-3	0 to 1 in w.c.	668-8	0 to 50 in w.c.	668-14	0 to $\pm 2.5$ in w.c.
668-4	0 to 2.5 in w.c.	668-9	0 to 100 in w.c.	668-17	0 to $\pm 25$ in w.c.
668-5	0 to 5.0 in w.c.				

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

## OPTION

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

## SPECIFICATIONS

**Service:** Air and non-conductive gases.

**Accuracy:**  $\pm 1\%$  of full-scale (RSS) (includes non-linearity, hysteresis, and non-repeatability).

### Temperature Limits:

Operating: 0 to 150°F (-18 to 65°C);  
Storage: -40 to 185°F (-40 to 85°C).

**Pressure Limits:** 10 psig (0.69 bar).

### Compensated Temperature

Range: 0 to 150°F (-18 to 65°C).

**Thermal Effects:** 0.033% FS/°F  
(0.018% FS/°C).

## ACCESSORIES

**A-302F-A**, 303 SS Static Pressure Tip with mounting flange. For 3/16" ID rubber or plastic tubing. 4" insertion depth. Includes mounting screws

**A-489**, 4" Straight Static Pressure Tip with Flange

**Supply Voltage:** 12-30 VDC.

**Output:** 4 to 20 mA, 2-wire.

**Zero and Span Adjust:**  $\pm 1$  mA, non-interactive.

**Response Time:** < 60 ms.

**Loop Resistance:** 0-800  $\Omega$ .

**Electrical Connection:** Terminal strip.

**Pressure Connection:** 3/16" OD fitting for 1/4" ID tubing.

**Housing:** Fire retardant glass filled polyester.

**Weight:** 3 oz (85 g).

**Agency Approvals:** CE.