

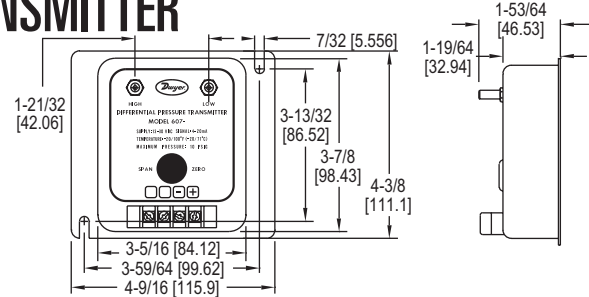
Dwyer

SERIES 607



LOW RANGE DIFFERENTIAL PRESSURE TRANSMITTER

$\pm 0.25\%$ or $\pm 0.5\%$ Full Scale Accuracy, Ranges from 0 to 0.1 in w.c.



SERIES 607 Differential Pressure Transmitter combines very low ranges with exceptional stability, reliability and either $\pm 0.25\%$ or $\pm 0.5\%$ 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.

FEATURES/BENEFITS

- High stability at low pressure ranges provides exceptional accuracy for ensuring tight-control and minimizing costly out of specification conditions
- Provides sensitivity to pressure changes but resists vibration preventing drift and less accurate readings
- Stainless steel housing meets standards for lab and clean room applications

APPLICATIONS

- Leak detection
- Clean room control
- Lab and fume hood pressure control

MODEL CHART			
Model	Range (in w.c.)	Model	Range (in w.c.)
607-0	0 to .10	607-71*	0 to 5.0
607-01*	0 to .10	607-8	0 to 10
607-1	0 to .25	607-0B	0 to ± 10
607-11*	0 to .25	607-1B	0 to ± 25
607-2	0 to .50	607-2B	0 to ± 50
607-21*	0 to .50	607-9	0 to 25
607-3	0 to 1.0	607-3B	0 to ± 1.0
607-4	0 to 2.0	607-4B	0 to ± 2.0
607-7	0 to 5.0	607-7B	0 to ± 5.0

*Models have a $\pm 0.25\%$ FS accuracy.

SPECIFICATIONS

Service: Air and non-conductive, non-corrosive gases.

Wetted Materials: Contact factory.

Accuracy: $\pm 0.5\%$ or $\pm 0.25\%$ FS.

Stability: $\pm 0.5\%$ FS/yr.

Temperature Limits: -20 to 160°F

(-29 to 71°C), 10 to 95% RH.

Pressure Limits: 10 psig (0.69 bar).

Compensated Temp. Range: 35 to 135°F (2 to 57°C).

Thermal Effects: $\pm 0.015\%$ FS/°F (zero and span).

Power Requirements: 12 to 36 VDC.

Output Signal: 4 to 20 mA DC, 2-wire.

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

Response Time: 250 ms max.

Loop Resistance: 0 to 1045 Ω

$V_{min} = 12V + [(22A)(RL)]$.

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: 1.04 lb (472 g).

Agency Approvals: CE.

ACCESSORY

Model	Description
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

OPTIONS

Use order code:	Description
NISTCAL-PT1	NIST traceable calibration certificate