

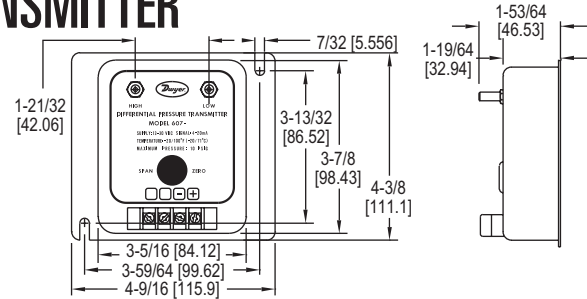
Dwyer

SERIES 607



# LOW RANGE DIFFERENTIAL PRESSURE TRANSMITTER

$\pm 0.25\%$  or  $\pm 0.5\%$  Full Scale Accuracy, Ranges from 0 to 25 in w.c.



The **Series 607 Low Range 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 $\pm 1.0$
607-11*	0 to .25	607-1B	0 to $\pm 2.5$
607-2	0 to .50	607-2B	0 to $\pm 5.0$
607-21*	0 to .50	607-9	0 to 25
607-3	0 to 1.0	607-3B	0 to $\pm 1.0$
607-4	0 to 2.0	607-4B	0 to $\pm 2.0$
607-7	0 to 5.0	607-7B	0 to $\pm 5.0$

\*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  $\Omega$

$V_{min} = 12V + [(0.22A)(RL)]$ .

**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