

SERIES 668 | COMPACT DIFFERENTIAL PRESSURE TRANSMITTER

FEATURES/BENEFITS

- Good accuracy at low pressure ranges provides exceptional value for ensuring control and minimizing costly out of specification conditions
- High overpressure rating eliminates possible damage to unit reducing unnecessary service time

APPLICATIONS

- Variable air volume systems
- HVAC
- Building management

DESCRIPTION

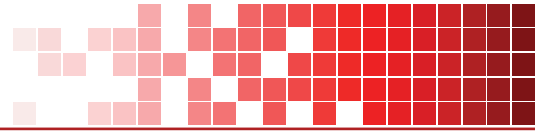
Our low cost **SERIES 668** Differential Pressure Transmitter is capable of measuring low pressures with a $\pm 1\%$ accuracy - ideally suited for proper building pressurization and air flow control. Transmitters can withstand up to 10 psig overpressure with no damage to the unit. Variable capacitance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



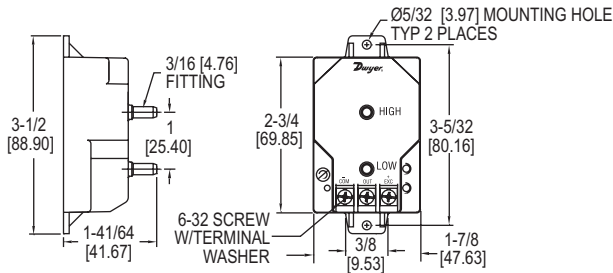
SPECIFICATIONS

Service	Air and non-conductive gases.
Accuracy	$\pm 1\%$ FS (RSS), (includes non-linearity, hysteresis, and non-repeatability).
Temperature Limits	Operating: 0 to 150°F (-18 to 65°), 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 (0.18% FS/°C).
Supply Voltage	12 to 30 VDC.
Output	4 to 20 mA, 2-wire.
Zero and Span Adjustment	\pm mA, non-interactive.
Response Time	<60 msec.
Loop Resistance	0 to 800 Ω .
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 Approval	CE.

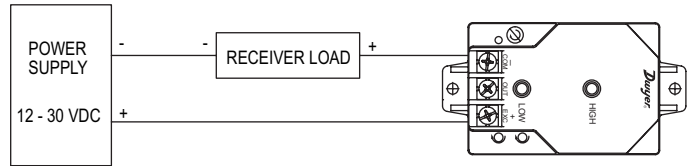




DIMENSIONS



WIRING DIAGRAM



HOW TO ORDER

Use the **bold** characters from the chart below to construct a product code.

<p>SERIES</p> <p>668 - Compact differential pressure transmitter</p> <p>668C - Compact differential pressure transmitter with conduit cover</p>	<p>668 -10 -NISTCAL-PT1</p>	<p>OPTIONS</p> <p>-NISTCAL-PT1 - NIST traceable calibration certificate</p>
<p>RANGE</p> <p>Standard</p> <p>-1 - 0 to 0.25 in w.c.</p> <p>-2 - 0 to 0.5 in w.c.</p> <p>-3 - 0 to 1 in w.c.</p> <p>-4 - 0 to 2.5 in w.c.</p> <p>-5 - 0 to 5.0 in w.c.</p> <p>-6 - 0 to 10 in w.c.</p> <p>-7 - 0 to 25 in w.c.</p> <p>-8 - 0 to 50 in w.c.</p> <p>-9 - 0 to 100 in w.c.</p>	<p>Bi-Directional</p> <p>-10 - 0 to ±0.1 in w.c.</p> <p>-11 - 0 to ±0.25 in w.c.</p> <p>-12 - 0 to ±0.5 in w.c.</p> <p>-13 - 0 to ±1 in w.c.</p> <p>-14 - 0 to ±2.5 in w.c.</p> <p>-15 - 0 to ±5 in w.c.</p> <p>-16 - 0 to ±10 in w.c.</p> <p>-17 - 0 to ±25 in w.c.</p> <p>-18 - 0 to ±50 in w.c.</p>	

ACCESSORIES

Model	Description
A-489	4" straight static pressure tip with flange
A-302F-A	303 SS static pressure tip with mounting flange; fir 3/16" ID rubber or plastic tubing; 4" insertion depth; includes mounting screws

Important Notice: Dwyer Instruments, Inc. reserves the right to make changes to or discontinue any product or service identified in this publication without notice. Dwyer advises its customers to obtain the latest version of the relevant information to verify, before placing any orders, that the information being relied upon is current.

