



Submittal Data Information

301-2120

DPS629 Wet/Wet Differential Pressure Transmitter

EFFECTIVE: May 27, 2014

SUPERSEDES: August 1, 2012

JOB _____

ENGINEER _____

CONTRACTOR _____

REP. _____

ITEM NO.	MODEL NO.	
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DPS629 shown with optional cable gland.



The Taco **DPS629 Differential Pressure Transmitter** monitors differential pressure of air and compatible gases and liquids with 0.5% accuracy. The design employs dual pressure sensors converting pressure changes into a standard 4-20 mA output signal for two wire circuits. Small internal volume and minimum moving parts result in exceptional response and reliability. Terminal block, zero and span adjustments are easily accessed under the top cover. The DPS629 Differential Pressure Transmitter is designed to meet NEMA 4X (IP66) construction.

APPLICATIONS:

Monitor differential pressures across:

- Flow Elements
- Heat exchangers
- Filters
- Pumps
- Coils

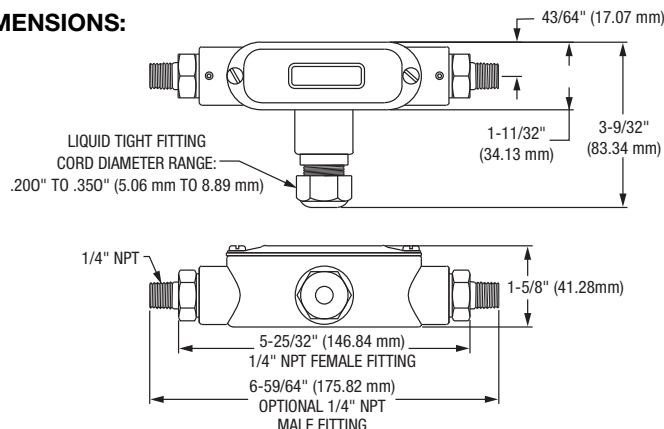
STANDARD PART NUMBERS:

Model	Output Signal	Range (psid)	Pressure Limits (psid)	
			Working Pressure*	Over Pressure
DPS629-03	4-20 mA	25	50	250
DPS629-13	0-5 VDC			
DPS629-23	0-10 VDC			
DPS629-23D	0-10 VDC	100	200	500
DPS629-25	0-10 VDC			
DPS629-25D	0-10 VDC			

3-WAY VALVE MANIFOLD ASSEMBLY PART NUMBERS:

Model	Output Signal	Range (psid)	Pressure Limits (psid)	
			Working Pressure*	Over Pressure
DPS629-03V	4-20 mA	25	50	250
DPS629-13V	0-5 VDC			
DPS629-23V	0-10 VDC			
DPS629-23DV	0-10 VDC	100	200	500
DPS629-25DV	0-10 VDC			

DIMENSIONS:



SPECIFICATIONS:

Service: Compatible gases & liquids

Wetted Materials:

Without valve – 316, 316L SS.

Additional wetted parts with 3-way valve option – Buna-N, silicone grease, PTFE, brass 360, copper, reinforced acetal copolymer.

Accuracy: ±0.5% F.S. (includes linearity, hysteresis & repeatability).

Temperature Limits: 0 to 200°F (-18 to 93°C).

Compensated Temperature Limits: 0 to 175°F (-18 to 79°C).

Pressure Limits: See chart.

Thermal Effect: 0.02%/°F (0.036%/°C) includes zero & span.

Power Requirements: 13-30 VDC (2-wire).

Output Signal: 4 to 20 mA. Optional 0-5, 0-10 VDC.

Response Time: 50 msec.

Loop Resistance:

0-1300 ohms maximum for current output.

2000 ohms minimum load resistance for voltage outputs.

Electrical Connections: Terminal block, 1/2" female NPT conduit.

Process Connections: 1/4" female NPT.

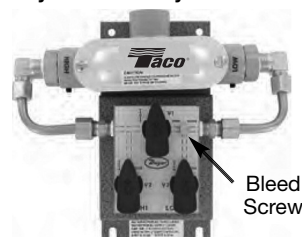
Enclosure Rating: Designed to meet NEMA 4X (IP66).

Mounting Orientation: Not position sensitive.

Weight: 10.1 oz. (286 gram).

Agency Approvals: CE.

3-way valve assembly with bleed screw.



TACO, INC., 1160 Cranston Street, Cranston, RI 02920 Telephone: (401) 942-8000 FAX: (401) 942-2360.
TACO (Canada), Ltd., 8450 Lawson Road, Unit #3, Milton, Ontario L9T 0J8. Telephone: 905/564-9422. FAX: 905/564-9436.
 Visit our web site at: <http://www.taco-hvac.com>

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