



Automation Components, Inc.

# WET TO WET

Wet to Wet Differential Pressure

NEMA 4X (IP 66) construction



Optional 3 way valve package

Gas and liquid compatible

**L: 4.5" W: 1.12" H: 2.75"**

Part #	Range	PRESSURE LIMITS	
		Working Pressure*	Over Pressure
A/629-10 Series	10	20	100
A/629-25 Series	25	50	250
A/629-50 Series	50	100	250
A/629-100 Series	100	200	500

\*Pressures exceeding the working pressure limit may cause a calibration shift of up to ±3% of full scale.

## WET TO WET PRESSURE

The 629 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 629 Series is designed to meet NEMA 4X (IP 66) construction. An optional LED display is available for applications requiring a display.

The 629 Series is covered by ACI's Two (2) Year Limited Warranty, which is located in the front of ACI's Sensors & Transmitters catalog or can be found on ACI's web site, which is: [www.workaci.com](http://www.workaci.com).



Made in the U.S.A.

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## SPECIFICATIONS

Supply Voltage	+13 to 30 VDC
Output Signal	4 to 20mA. Optional 0-5, 0-10 VDC
Accuracy	+/-0.5%F.S.
Loop Resistance	0-1300 ohms maximum for current output. Voltage outputs, minimum load resistance: 2000 ohms
Response Time	50 msec.
Operating Temperature Range	0 to 200°F (-18 to 93°C)
Compensated Temperature Limits	0 to 175°F (-18 to 79°C)
Electrical Connections	1/2" NPT conduit terminal block
Process Connections	1/4" female NPT
Wetted Material Connections	316, 316L stainless steel
Approvals	CE

## ORDERING

**BUILD YOUR PART#**

EXAMPLE

629 - 25 - 5 - 3V - LED  
A B C D

629 - - - -  
A B C D

STEP 1	A PRESSURE RANGES	B OUTPUT	C THREE VALVE MANIFOLD	D LED DISPLAY
Select range, output, manifold, and LED display option.	<b>10*</b> ( 0 to 10 psid )	<b>5*</b> ( 0 to 5VDC )	-- ( No Manifold ) (standard)	-- ( No LED Display ) (standard)
	<b>25*</b> ( 0 to 25 psid )	<b>10*</b> ( 0 to 10VDC )	<b>3V*</b> ( 3 Valve Manifold )	<b>LED*</b> ( LED Display )
	<b>50</b> ( 0 to 50 psid )	<b>20</b> ( 4 to 20mA )		
	<b>100</b> ( 0 to 100 psid )			

\*Non-stocked options. Please contact ACI for estimated lead time.

