



Differential Pressure Transmitter, WET/WET  
0.5% Accuracy, NEMA 4X (IP66) Enclosure

## Models Select Chart

<b>EXAMPLE</b>	629C	06	CH	P1	E1	S1	AT	<b>Series 629C-06-CH-P1-E1-S1-AT Wet/Wet Differential Pressure Transmitter, range 0-150 psid, conduit housing, NEMA 4X (IP66), 1/4" male NPT, 3 ft. cable, 4-20 mA output, with aluminum tag.</b>
<b>SERIES</b>	629C							Wet/Wet Differential Pressure Transmitter
<b>RANGE</b>		01 02 03 04 05 06 07 08 09 11 12 13 14 15 16 17 18 19						0-5 psid 0-10 psid 0-25 psid 0-50 psid 0-100 psid 0-150 psid 0-200 psid 0-300 psid 0-500 psid 0 to 0.5 bar differential 0 to 1 bar differential 0 to 2 bar differential 0 to 4 bar differential 0 to 6 bar differential 0 to 10 bar differential 0 to 15 bar differential 0 to 20 bar differential 0 to 30 bar differential
<b>HOUSING</b>			CH R1 R2 R5 R6					Conduit housing, NEMA 4X (IP66) Conduit hsg, NEMA 4X (IP66) with remote sensor and 10' shielded cable Conduit hsg, NEMA 4X (IP66) with remote sensor and 20' shielded cable Conduit hsg, NEMA 4X (IP66) with remote sensor and 10' armored cable Conduit hsg, NEMA 4X (IP66) with remote sensor and 20' armored cable
<b>PROCESS CONNECTION</b>				P1 P2 P3 P4				1/4" male NPT 1/4" female NPT 1/4" male BSPT 1/4" female BSPT
<b>ELECTRICAL CONNECTION</b>					E1 E2 E3 E5 E9			Cable gland with 3' of prewired cable Cable gland with 6' of prewired cable Cable gland with 9' of prewired cable 1/2" female NPT conduit M-12 4 pin connector
<b>SIGNAL OUTPUT</b>						S1 S3		4-20 mA Field selectable 0-5, 1-5, 0-10, 2-10 VDC

<b>OPTIONS</b>							3V	3-Way Valve
							AT	Aluminum Tag
							FC	Field Calibration Certificate
							LED	LED Indication
							NIST	NIST Certification
							PRESET	Preset Transmitter

### Accessories

<b>Model</b>	<b>Description</b>
A-155	Cable gland with 1/2" male NPT fitting.
A-228	Stainless steel flex hose, 12" (30.48 cm) long, 1/8" male NPT connections.
BBV-1B	Mini 3-valve block manifold
A-62X-LCD	Field upgradeable LCD display.
A-629C-3V	3-Way manifold & bracket for pressure transmitters.

### Specifications:-

<b>Service</b>	:	Compatible gases and liquids..
<b>Wetted Materials</b>	:	Without valve: 316, 316L SS. Additional wetted parts with valve option: Buna-N, silicone grease, PTFE, brass 360, copper, and reinforced copolymer.
<b>Accuracy</b>	:	±0.5% FS (includes linearity, hysteresis & repeatability)
<b>Stability</b>	:	±1% FS/year.
<b>Temperature Limits</b>	:	0 to 200°F (-18 to 93°C).
<b>Compensated Temperature Limits</b>	:	0 to 175°F (-18 to 79°C).
<b>Pressure Limits</b>	:	See chart on catalog page.
<b>Thermal Effect</b>	:	Avg 0.04%/°F (0.072%/°C) (includes zero and span).
<b>Power Requirements</b>	:	2-wire: 10 to 35 VDC; 3-wire: 13 to 35 VDC or isolated 16 to 33 VAC (reverse polarity protected).

<b>Output Signal</b>	:	2-wire: 4 to 20 mA; 3-wire: Field selectable 0 to 5, 1 to 5, 0 to 10, or 2 to 10 VDC.
<b>Zero and Units</b>	:	Push buttons inside conduit enclosure.
<b>Response Time</b>	:	400 msec.
<b>Loop Resistance</b>	:	Current output: 0 to 1250 $\Omega$ (max), $R_{max} = 50(V_{ps}-10)$ ; Voltage output: Minimum load resistance = 5 k $\Omega$ .
<b>Current Consumption</b>	:	28 mA (max).
<b>Electrical Connections</b>	:	Removable terminal block; 1/2" female NPT conduit.
<b>Process Connections</b>	:	1/4" female or male NPT.
<b>Display</b>	:	Optional 4-1/2 digit LCD field attachable display.
<b>Enclosure Rating</b>	:	Designed to meet NEMA 4X (IP66).
<b>Mounting Orientation</b>	:	Not position sensitive.
<b>Weight</b>	:	10.1 oz (286 g).
<b>Agency Approvals</b>	:	CE.