

Pressure Sensors

PWT Series Wet/Wet Differential Pressure Sensors



The PWT Series wet/wet differential pressure sensors provide reliable, accurate measurement and control of many applications, including pump differential pressure, chiller/boiler differential pressure drop, and CW/HW system differential pressure.

- The PWT Pressure Sensors incorporate microprocessor profiled sensors for exceptional accuracy and reliability
- Field-selectable 4-20 mA, 0-5 Vdc, or 0-10 Vdc output
- Jumper-selectable slow or fast response time
- Switch-selectable pressure ranges
- The jumper-selectable output switch for normal (4-20 mA) or reverse (20-4mA) operation provides application flexibility
- Rugged, die-cast enclosure provides NEMA 4 sealing
- Jumper-selectable port swap feature
- All models offer both push button and digital input to zero the output

Dimensions, Approximate: 4 in. high x 5 51/64 in. wide x 2 13/64 in. deep (102 mm high x 147 mm wide x 57 mm deep)

Connection Size: 1/8 in. NPT female, stainless steel 17-4 PH

Output: 4-20mA, 0-5Vdc or 0-10Vdc selectable

Mounting: Vertical Mount

Operating, Storage, and Compensated Temperature Range: 14 F to 131 F (-10 C to 55 C)

Burst Pressure: 5x max. F.S. range

Proof Pressure: 2x max. F.S. range

Supply Voltage: 12 to 30 Vdc or 24 Vac

Approvals

CE: CE

Product Number	Accuracy	Pressure Range (psi)	Display	Description
PWT50/U	±1% F.S. for 0-10, 0-25, 0-50 psid; ±2% F.S. for 0-5 psid	0-5, 0-10, 0-25, 0-50 psid	Yes	Wet Differential Pressure Transmitter
PWT250/U	±1% F.S. for 0-250, 0-125, & 0-50 psid; ±2% F.S. for 0-25 psid	0-25, 0-50, 0-125, 0-250 psid	Yes	Wet Differential Pressure Transmitter
PWT100/U	±1% F.S. for 0-100, 0-50, 0-20 psid; ±2% F.S. for 0-10 psid	0-100, 0-50, 0-20, 0-10 psid	Yes	Wet Differential Pressure Transmitter
PWT-BV/U	—	—	No	Bypass Valve Manifold

Gauge Pressure Sensors



The 50035430 Series is a two-wire 4-20mA gauge pressure sensor. This digitally compensated sensor offers an unparalleled value and performance combination, making it the ideal pressure sensing solution for demanding applications. The 50035430 series is available in pressure ranges up to 1000 psi.

- Available in 50, 150, 300, 500 and 1000 psi
- All metal wetted parts for use in wide variety of fluid applications
- Suitable for use with freon and ammonia based cooling systems
- No internal elastomeric seals mean no o-ring compatibility issues
- Less than 2 ms response time provides accurate, high speed measurement
- Select models available with 1/4-in. SAE female Schrader connection with valve depressor

Connection Size: 1/4" SAE female Schrader

Operating, Storage, and Compensated Temperature Range: -40 F to +257 F (-40 C to 125 C)

Burst Pressure: 10X Working Pressure Range

Proof Pressure: 3X Working Pressure Range

Supply Voltage: 9.5Vdc to 30Vdc

Materials (Housing): Black plastic, Amodel AS-4133 HS-PPA

Materials in contact with media: SST 304L and Haynes 214 alloy

Approvals

CE: CE

Product Number	Accuracy	Pressure Ranges	Output	Connection Size	Electrical Termination
		(psi)			
MLH500PSCDJ1240	±0.25% FSS	500 psig	4-20 mA, 2-wire	1/4" SAE female Schrader	Cable (3 meter)
MLH300PSCDJ1237	±0.25% FSS	300 psig	4-20 mA, 2-wire	1/4"-18 NPT	Cable (3 meter)
MLH150PSCDJ1236	±0.25% FSS	150 psig	4-20 mA, 2-wire	1/4"-18 NPT	Cable (3 meter)
MLH050PSCDJ1235	±0.50% FSS	50 psig	4-20 mA, 2-wire	1/4"-18 NPT	Cable (3 meter)
MLH01KPSCDJ1241	±0.25% FSS	1000 psig	4-20 mA, 2-wire	1/4" SAE female Schrader	Cable (3 meter)