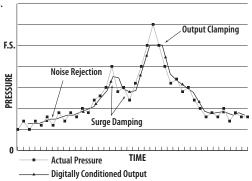
Wet Media Differential Pressure Transducer

Jumper-Selectable Port Swap Feature



DESCRIPTION

The **PW Series** wet/wet pressure transducers incorporate microprocessor profiled sensors for exceptional accuracy and reliability. Easy to use and designed to provide exceptional installation savings, the PW Series is ideal for measuring pressure across pumps, filters, heat exchangers, compressors, and other non-corrosive wet media applications.



Microprocessor provides digital signal conditioning

- Noise rejection reduces fluctuating readings due to noise or turbulence
- Surge damping prevents false alarms by averaging fast peaks

APPLICATIONS

- Monitoring and controlling pump differential pressure
- Chiller/boiler differential pressure drop
- CW/HW system differential pressure

FEATURES

- The jumper-selectable output switch for normal (4-20mA) or reverse (20-4mA) operation provides application flexibility
- Rugged, die-cast enclosure provides NEMA 4 sealing
- Jumper-selectable port swap feature eliminates costly replumbing when the high and low ports are improperly plumbed...change the jumper position from normal to swap — problem solved!
- Switch-selectable pressure ranges...fewer models to order and stock
- Pushbutton and remote zero adjustment...maintain accuracy and prevent callbacks with automatic zero calibration
- Jumper-controlled electronic surge dampening for high stability
- Pushbutton zero calibration no trim pots to adjust

 0° to 50° C (32° to 122°F); TC Zero < \pm 1.5% of product F.S. per sensor; TC Span< \pm 1.5% of product F.S. per sensor, (2 sensors per unit)

psig: 1/8" NPT female thread, 17-4 PH stainless; barg: 1/8" BSPT female thread, 17-4 PH stainless

SPECIFICATIONS

Input Power

Proof Pressure

Burst Pressure

Fittings

Temperature Compensated Range Media Temperature Limits



	12 (0 0 0 10 6) 2 11/10 11/11/11
Maximum Current Draw	DC: 125mA; AC: 280mA
Output	3-wire transmitter; user selectable 4-20mA (clipped and capped)/0-5V/0-10V†
Accuracy @ 25°C*	Range A, B, C: \pm 1% F.S.; Range D: \pm 2% F.S.**
Surge Damping	Electronic; 5-second averaging
Test Mode	Overrides output to full-scale (20mA, 5V, 10V)
Pressure Ranges (Selectable):	
0-50 psig	0-5/10/25/50 psid
0-100 psig	0-10/20/50/100 psid
0-250 psig	0-25/50/125/250 psid
0-3.5 barg	0.35/0.7/1.75/3.5 bard
0-7.0 barg	0.7/1.4/3.5/7.0 bard
0-17.0 barg	1.7/3.4/8.5/17.0 bard
Product Operating Environment	-10° to 55°C (14° to 130°F); 0 to 90% RH noncondensing
Long Term Stability	±0.25% per year
Zero Adjust	Pushbutton auto-zero and digital input (2-pos terminal block)
Status Indication	Dual-color LED: Green = Normal, Green Blinking = Low > High, Red = Overrange, Red Blinking = Overpressure
Housing Material	White powder-coated aluminum
Sensor:	
Media Compatibility	Media compatible with 17-4 PH stainless steel

†Minimum input voltage for 4-20mA operation: $250 \Omega \log (1-5V) = 12VDC$; $500 \Omega \log (2-10V) = 15VDC$; Minimum input voltage for volt operation: 0-5VDC output = 12VDC; 0-10VDC output = 15VDC. *Accuracy combines linearity, hysteresis, and repeatability. **FS is defined as full span of selected range in bi-directional mode. EMC Conformance: Low voltage directive 2006/95/EC; EMC directive 2004/108/EC.

EMC Special Note: Connect this product to a DC distribution network or an AC/DC power adaptor with proper surge protection (EN 61000-6-1:2007 specification requirements).



-20° to 85°C (-4° to 185°F); 0 to 90% RH non-condensing

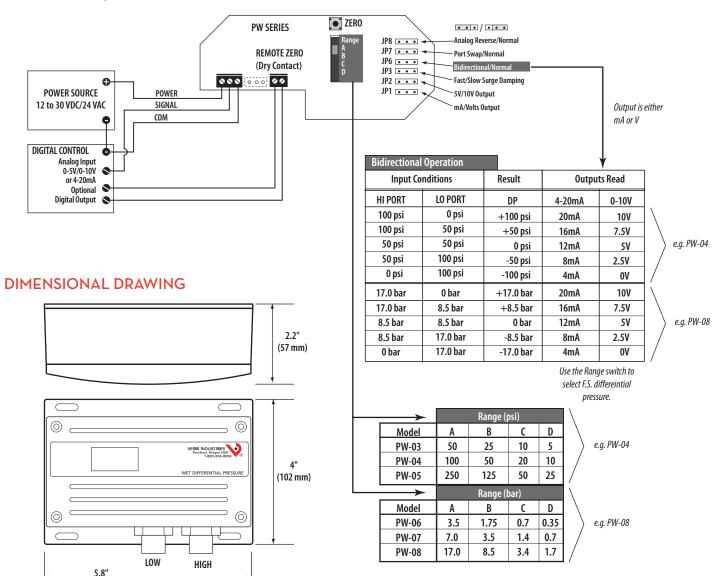
Max. 2x F.S. range

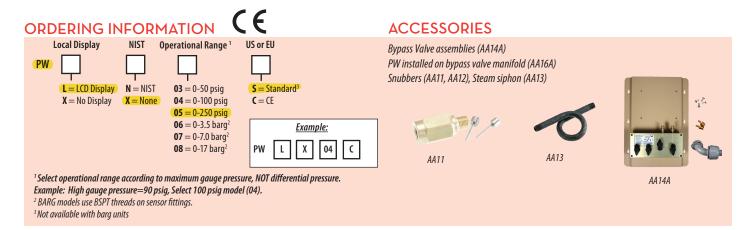
Max. 5x F.S. range

12 to 30VDC/24VAC nominal

VERIS INDUSTRIES

APPLICATION/WIRING DIAGRAM





(147 mm)