



WET TO WET

Differential Pressure Transducer w/ Remote Probes

The A/WPR Series Remote Wet to Wet Differential Pressure Sensor is designed to reduce installation time and to provide mounting flexibility, often eliminating the need for additional plumbing. They accurately measure wet media pressures in a variety of applications. Commonly used for monitoring pumps, these devices are also ideal for measuring pressure across filters, heat exchangers and compressors. The A/WPR's enclosure opens conveniently to allow it to be reconfigured between three additional ranges (see order grid) and outputs of 4 to 20 mA (default), 0 to 5 VDC, or 0 to 10 VDC. The A/WPR Series can measure uni or bi-directional pressure ranges as low as 15 psi and as high as 300 psi. The A/WPR also features a push button auto zero function for remote calibration efficiency.

The A/WPR Series is covered by ACI's Five (5) Year Limited Warranty. The warranty can be found in the front of ACI's Sensors & Transmitters catalog, as well as on ACI's web site, www.workaci.com.



SPECIFICATIONS

Supply Voltage VDC	16 to 36 VDC for 2-wire 4-20 mA output 16 to 36 VDC, 24 VAC (±20%) for 0-5 VDC; 0-10 VDC outputs
Output	2 wire: Linear 4-20 mA DC Current (Default), 3 wire: 0-5 VDC; 0-10 VDC (Jumper Selectable)
Features	Pushbutton Zero, Selectable Range, Selectable Direction, Selectable Output
Available Range/Spans	15, 25, 50 & 100 psi (uni and bi-directional) for 100 psi sensors 45, 75, 150 & 300 psi (uni and bi-directional) for 300 psi sensors
Operating Temperature	Sensors: -40 to 230°F (-40 to 110°C), Enclosure: 5 to 176°F (-15 to 80°C)
Compensated Range	32 to 185°F (0 to 85°C)
Operating RH	10 to 95% RH non-condensing
Accuracy	±1.0% FSO (includes linearity, hysteresis and repeatability)
Thermal Effects	±1.0% FSO (0 to 85°C)
Proof Pressure	3X F.S. (A/WPR-100 Series), 2X F.S. (A/WPR-300 Series)
Burst Pressure	1500 psi
Media	Any gas or liquid compatible with 304 stainless steel
Process Fitting	1/4"-18 NPT Male (304 stainless steel)
Enclosure	IP66 Rated
Product Dimensions	Enclosure: (L) 5.10" (W) 3.93" (H) 3.00"

RANGE AND OUTPUT CHART

Series: A/WPR-100 (Uni-directional)	Default Uni-directional Range: 100 psi	Selectable Uni-directional Ranges: 50, 25 & 15 psi
Series: A/WPR-100 (Bi-directional)	Selectable Bi-directional Range: ±100 psi	Selectable Bi-directional Ranges: ±50, ±25 & ±15 psi
Series: A/WPR-300 (Uni-directional)	Default Uni-directional Range: 300 psi	Selectable Uni-directional Ranges: 150, 75 & 45 psi
Series: A/WPR-300 (Bi-directional)	Selectable Bi-directional Range: ±300 psi	Selectable Bi-directional Ranges: ±150, ±75 & ±45 psi

ORDERING

Select a Sensor Series (A) & one Wiring Harness (B). **Note:** The range selected below should be based on the maximum line pressure, not the differential pressure.

A Sensor Series	B Wiring Harness
<input type="radio"/> A/WPR-100 <input type="radio"/> 10' <input type="radio"/> A/WPR-300 <input type="radio"/> 20'	

BUILD PART NUMBER

After completing (A) & (B) from the above table, fill in the Part Number Table below. An example part number is offered.

A	B
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EXAMPLE: A/WPR-100 - 10'

