



The ASI/DP Series is a line of differential pressure transmitters. The transmitters are capable of sensing full scale ranges down to 0.25 "wc (inches water column). Each ASI/DP pressure transmitter is a high quality device designed using a variable capacitance sensor.

Variable capacitance sensors have a good signal-to-noise ratio and are not plagued by temperature drift. The transmitter electronics provide a three wire, linear 0-5 Vdc or two wire 4-20 mA signal. Accuracy is +/-1% full scale over the compensated temperature range. The transmitter can be powered by an unregulated +15 to 36 Vdc, or 24 Vac power supply and is polarity sensitive. The controller should not be used to power the device.

In addition to the requested span, each transmitter is capable of being field adjusted to three additional spans with included jumpers. Commonly available spans are 0 to 0.25 "wc, -0.5 to 0.5 "wc, 0 to 1 "wc, 0 to 2.0"wc and 0 to 5 "wc.

### Product Specifications:

Input: 15 to 36 V dc or 24 Vac  
 Output: ASI-DPx-5, 3 wire,  
 linear 0 to 5 V dc.  
 ASI-DPx-20 2 wire,  
 linear 4-20mA dc

Response Time: 15ms -63% full scale step  
 Position Effect: 2% Null shift  
 from vertical to horizontal

Pressure Overload: Span <2" wc  
 Positive Pressure: 5x  
 Negative Pressure: 3x

Pressure Overload: Span >2" H2O  
 Positive Pressure: 5X  
 Negative Pressure: 3X

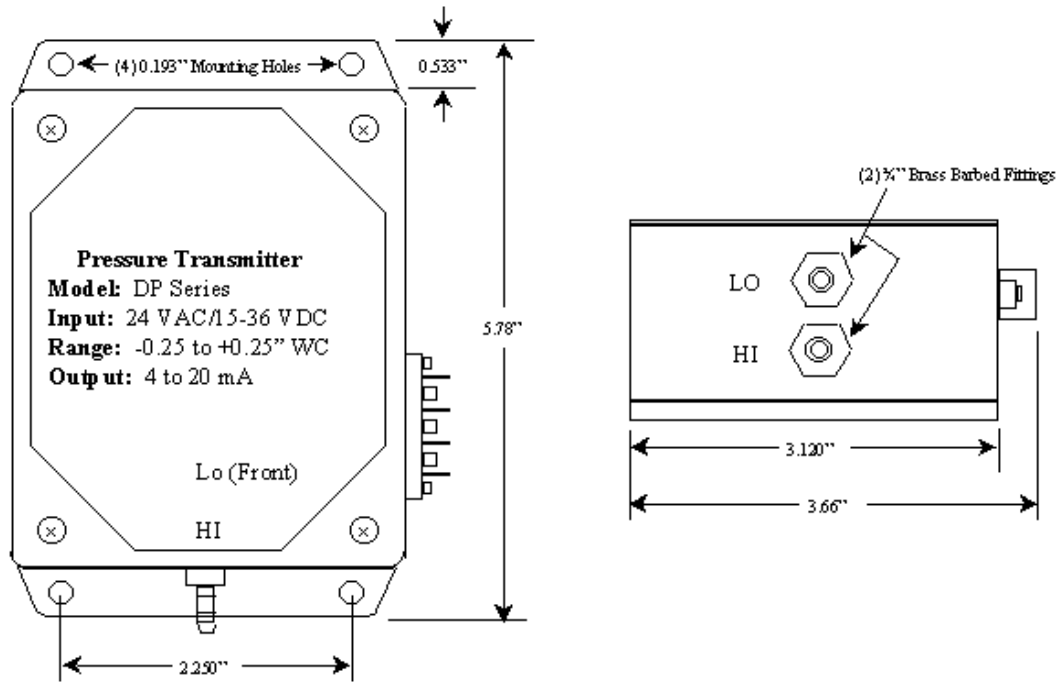
Transmitter Accuracy: +/- 1 % span  
 Operating Range: 10 - 40 °C  
 Linearity: +/-0.5 % of span  
 Connections: 1/4" barbed brass

Temperature Error: Span < 2 "wc  
 Null: +/-3.0 % FS  
 Span: +/-4.0 % FS

Temperature Error: Span > 2 "wc  
 Null: +/-1.5 % FS  
 Span: +/-1.5 % FS



## Dimensions



All dimensions in inches.

How to Order:	Order Number
Differential Pressure Sensor (0-5 Vdc)	ASI-DPx-5
Differential Pressure Sensor (4-20 mA)	ASI-DPx-20



**Made in USA**

Range	Selectable Ranges "wc (inches water column)			
DPx	Jumper Position			
	1[Factory]	2	3	4
<b>DP1</b>	-1.0 to +1.0"	-2.0 to +2.0"	NA	NA
<b>DP2</b>	-0.5 to +0.5"	-0.3 to +0.3"	NA	NA
<b>DP3</b>	-0.25 to +0.25"	-0.5 to +0.5"	NA	NA
<b>DP4</b>	0 to 0.25"	0 to 0.5	0 to 0.4	0 to 0.3
<b>DP5</b>	0 to 0.5"	0 to 0.4"	0 to 0.3"	0 to 0.25"
<b>DP6</b>	0 to 1.0"	0 to 0.8"	0 to 0.6"	0 to 0.5"
<b>DP7</b>	0 to 2.0"	0 to 2.5"	0 to 1.5"	0 to 1.25"
<b>DP8</b>	0 to 3.0"	0 to 5.0"	0 to 4.0"	0 to 2.5"
<b>DP9</b>	0 to 5.0"	0 to 4.0"	0 to 3.0"	0 to 2.5"
<b>DP10</b>	0 to 10.0"	0 to 8.0"	0 to 6.0"	0 to 5.0"