

**PDA  
SERIES DIGITAL PRESSURE TRANSMITTER**



Flow  
Pressure  
Level  
Temperature  
measurement  
monitoring  
control

**P2**



- **Ranges 0-30" Hg Vacuum to 0-5800 PSIG**
- **Fully Scalable 4-20 mA Output**
- **Accuracy  $\pm 0.5\%$  of Full Scale**
- **Large Easy to Read LED Display**
- **Ceramic Pressure Sensing System for High Cycle Life**

Contact:  
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Model:  
PDA



### Features

- Ranges 0-30" Hg Vacuum to 0-5800 PSIG
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The PDA series digital pressure transmitter integrates the latest solid state sensing technology into a very versatile, simple to operate package. Programming features include programmable span adjustment, pulsation dampening, zero (tare) adjustment and user settable lockout code. The ceramic sensing system ensures an exceptionally long cycle life with virtually no calibration drift. These features along with the compact, robust stainless steel package make the PDA an ideal choice for OEM applications.



**PDA Series Digital Pressure Transmitter**

### Specifications

**Measuring Ranges:** 0-30" Hg vacuum to 0-5800 PSIG

**Display Type:** 3 digit LED

**Accuracy:**  $\pm 0.5\%$  of full scale

**Sensor Element:** Piezoresistive ceramic

**Operating Temp. Range**  
**Process & Compensated**  
**Medium:** -4 to 176°F  
**Ambient:** -4 to 140°F

**Overpressure Ratings:**  
**-30" Hg to 1450 PSIG:** 2x Max. range  
**>1450 PSIG:** 1.5x Max. range

**Process Wetted Parts**  
**Sensing Element:** Ceramic  
**Connection:** 316L SS  
**O-Ring:** Viton; others available on request

**Housing Material:** 304 Stainless Steel

**Response Time:** 0.5 Sec.  
**Dampening:** Programmable averaging over 1, 2, 4, 8, 16, 32 or 64 samples

**Electrical Data**  
**Power Supply:** 24 VDC  $\pm 20\%$ , 80 mA max.

**Output:** 0(4)-20 mA 3-wire

**Max. Loop Burden:** 500 ohms

**Electrical Connection:** 4-Pin Micro-DC male (mating connector sold as accessory)

**Electrical Protection:** NEMA 4/IP 65

### Programmable Features

- Zero (Tare)
- Span
- Dampening
- Output Type (0-20/4-20 mA)
- Lockout Code
- Display Scaling



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PDA Series Ordering Codes																	
<b>PDA</b>	= Digital Electronic Pressure Transmitter																
<b>153</b>	<b>Output Type</b> = 0(4)-20 mA																
<b>N2</b>	<b>Fitting</b> = 1/4" NPT																
<b>N4</b>	= 1/2" NPT (standard)																
<b>H315</b>	<b>Ranges</b> <u>Available Measuring Ranges</u> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;"><b>H315</b> = -30" to 0" Hg</td> <td style="width: 50%;"><b>P090</b> = 300 PSIG</td> </tr> <tr> <td><b>P025</b> = 15 PSIG</td> <td><b>P100</b> = 500 PSIG</td> </tr> <tr> <td><b>P045</b> = 30 PSIG</td> <td><b>P115</b> = 1000 PSIG</td> </tr> <tr> <td><b>P055</b> = 50 PSIG</td> <td><b>P125</b> = 1450 PSIG</td> </tr> <tr> <td><b>P065</b> = 100 PSIG</td> <td><b>P130</b> = 2000 PSIG</td> </tr> <tr> <td><b>P075</b> = 150 PSIG</td> <td><b>P140</b> = 3000 PSIG</td> </tr> <tr> <td><b>P085</b> = 200 PSIG</td> <td><b>P150</b> = 5000 PSIG</td> </tr> <tr> <td><b>E</b> = Special Range</td> <td><b>P155</b> = 5800 PSIG</td> </tr> </table>	<b>H315</b> = -30" to 0" Hg	<b>P090</b> = 300 PSIG	<b>P025</b> = 15 PSIG	<b>P100</b> = 500 PSIG	<b>P045</b> = 30 PSIG	<b>P115</b> = 1000 PSIG	<b>P055</b> = 50 PSIG	<b>P125</b> = 1450 PSIG	<b>P065</b> = 100 PSIG	<b>P130</b> = 2000 PSIG	<b>P075</b> = 150 PSIG	<b>P140</b> = 3000 PSIG	<b>P085</b> = 200 PSIG	<b>P150</b> = 5000 PSIG	<b>E</b> = Special Range	<b>P155</b> = 5800 PSIG
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<b>Accessories</b>																	
Part#: 807.037 = Mating 4-Pin Micro-DC connector w/ 6ft. cable																	
<b>PDA - 153 - N4 - P065</b>	<b>Example</b>																

DIMENSIONS

