

# proense® PTD25 Pressure Transmitters

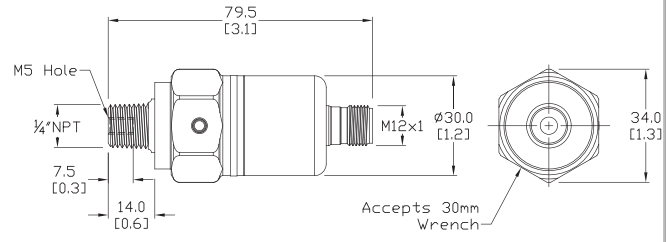


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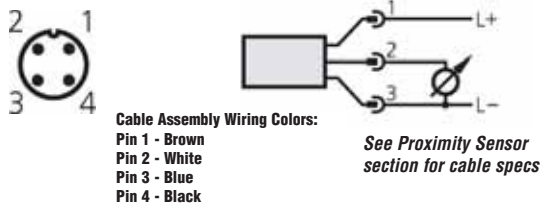
Applications (Type of Pressure: Relative Pressure, Liquids and Gases)			
Part Number	Measuring Range	Permissible Overload Pressure	Bursting Pressure
	PSI	PSI	PSI
PTD25-10-5000H PTD25-20-5000H	0 to 5000	11600	17400
PTD25-10-3000H PTD25-20-3000H	0 to 3000	5800	12300
PTD25-10-1000H PTD25-20-1000H	0 to 1000	4350	9400
PTD25-10-0500H PTD25-20-0500H	0 to 500	2175	5075
PTD25-10-0200H PTD25-20-0200H	0 to 200	1087	2175
PTD25-10-0100H PTD25-20-0100H	0 to 100	1087	2175
PTD25-10-0030H PTD25-20-0030H	0 to 30	290	725
PTD25-10-0015H PTD25-20-0015H	0 to 15	145	450
PTD25-10-VH PTD25-20-VH	-14.5 to 0 (vacuum)	145	450
	<b>inH<sub>2</sub>O</b>	<b>inH<sub>2</sub>O</b>	<b>inH<sub>2</sub>O</b>
PTD25-10-0100WCH PTD25-20-0100WCH	0 to 100	4015	12043

inH<sub>2</sub>O = Inches of Water (represents Water Column)  
All PTD25 series transmitters can withstand vacuum down to -14.5 psi

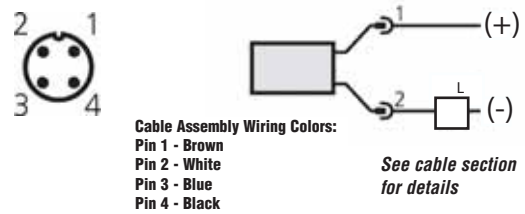
## Dimensions mm [inches]



## PTD25-10 Wiring Diagrams



## PTD25-20 Wiring Diagrams



Note: Wiring colors are based on AutomationDirect CD12L and CD12M 4-pole cable assemblies.

## Pressure Units Conversion Chart

Pressure Conversion Table: Multiplication Factors									
Desired Units	Known Units								
	Atmos	Bars	In of Hg (0°C)	In of H <sub>2</sub> O (4°C)	K grams/meter <sup>2</sup>	Lb/in <sup>2</sup> (psi)	Lb/ft <sup>2</sup>	mm of Hg torr	Pascals
Atmos	1	9.86923 x 10 <sup>-1</sup>	3.34207 x 10 <sup>-2</sup>	2.458 x 10 <sup>-3</sup>	9.678 x 10 <sup>-5</sup>	0.068046	4.7254 x 10 <sup>-4</sup>	1.316 x 10 <sup>-3</sup>	9.869 x 10 <sup>-6</sup>
Bars	1.01325	1	3.3864 x 10 <sup>-2</sup>	2.491 x 10 <sup>-3</sup>	9.8067 x 10 <sup>-5</sup>	6.8948 x 10 <sup>-2</sup>	4.788 x 10 <sup>-4</sup>	1.333 x 10 <sup>-3</sup>	10 <sup>-5</sup>
In of Hg (0°C)	29.9213	29.53	1	7.355 x 10 <sup>-2</sup>	2.896 x 10 <sup>-3</sup>	2.036	0.014139	3.937 x 10 <sup>-2</sup>	2.953 x 10 <sup>-4</sup>
In of H <sub>2</sub> O (4°C)	406.8	401.46	13.60	1	3.937 x 10 <sup>-2</sup>	27.68	0.1922	0.5354	4.014 x 10 <sup>-3</sup>
K grams/meter <sup>2</sup>	1.033227 x 10 <sup>4</sup>	1.0197 x 10 <sup>4</sup>	345.3	25.40	1	7.0306 x 10 <sup>2</sup>	4.882	13.59	1.019 x 10 <sup>-1</sup>
Lb/in <sup>2</sup> (psi)	14.695595	14.504	0.4912	3.6126 x 10 <sup>-2</sup>	1.423 x 10 <sup>-3</sup>	1	6.9444 x 10 <sup>-3</sup>	1.934 x 10 <sup>-2</sup>	1.450 x 10 <sup>-4</sup>
Lb/ft <sup>2</sup>	2116.22	2088.5	70.726	5.202	0.2048	144.0	1	2.7844	2.089 x 10 <sup>-2</sup>
mm of Hg torr	760	750.06	25.400	1.868	7.3558 x 10 <sup>-2</sup>	51.715	0.35913	1	7.502 x 10 <sup>-3</sup>
Pascals	1.01325 x 10 <sup>5</sup>	1 x 10 <sup>5</sup>	3.386 x 10 <sup>3</sup>	2.491 x 10 <sup>2</sup>	9.8067	6.8948 x 10 <sup>3</sup>	4.788 x 10 <sup>1</sup>	1.333 x 10 <sup>2</sup>	1

Example: To convert from 50 psi to "In of H<sub>2</sub>O", (50 psi) (27.68) = 1384 In of H<sub>2</sub>O