

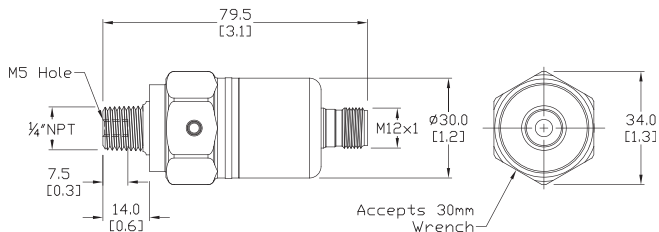
proense® PTD25 Pressure Transmitters

| Applications (Type of Pressure: Relative Pressure, Liquids and Gases) | | | |
|--|-------------------------|-------------------------------|-------------------------|
| Part Number | Measuring Range | Permissible Overload Pressure | Bursting Pressure |
| | Psig | Psig | Psig |
| 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 |
| | inH₂O | inH₂O | inH₂O |
| PTD25-10-0100WCH PTD25-20-0100WCH | 0 to 100 | 4015 | 12043 |

inH₂O = Inches of Water (represents Water Column)
All PTD25 series transmitters can withstand vacuum down to -14.5 psig

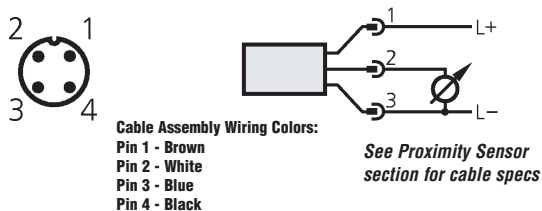
Dimensions

mm [inches]

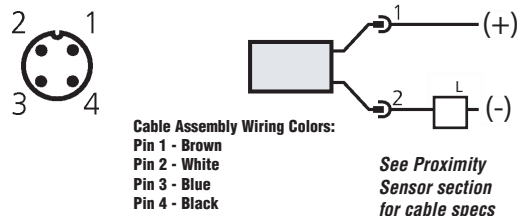


See our website www.AutomationDirect.com for complete Engineering drawings.

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

Example: To convert from 50 psig to "In of H₂O", (50 psig) (27.68) = 1384 In of H₂O