



## *sPOD™ Single Point Digital Gauge Pressure/Temperature*

This gauge is ideal when a single pressure/temperature (PT) is required in any completion. The basics of design allow the transducer to convert an applied pressure into a change of resistance. The strain of the applied pressure is measured across an active four wire resistive bridge and the temperature is measured from a secondary of the main bridge.

Simplicity of design, both mechanical and electrical, provide for a robust PT gauge ideal for pump off control and other PT monitoring applications.

### *Applications*

- Artificial-lift monitoring and input signal control

### *Features, Advantages and Benefits*

- Single gauge communication on single-conductor cable
- Metal-to-metal mechanical seals
- Designed for permanent installed applications





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### *Specifications*

<b>General</b>			
Overall length w/cablehead, in. (cm)	14.77 (37.5)		
Weight, lb. (kg)	1.9 (0.86)		
Diameter, in. (mm)	1.0 (25.4)		
Mechanical seals	Metal-to-metal		
Drift	Typically <2 psi/yr		
Cable length, ft. (m)	Unlimited, compliance test @ 20,000 (6096)		
Power consumption	11 mA @ 15 VDC		
<b>Temperature</b>			
Gauge type	Integral to pressure		
Range, °F (°C)	59 to 257 (15 to 125)		
Accuracy, °F (°C)	±1.8 (±1.0)		
Resolution, °F (°C)	0.1 (0.055)		
<b>Pressure</b>			
Gauge type	Piezo resistive, silicon-on-insulator (SOI)		
Range, psi (MPa)	0 to 3000 (0 to 20.7)	0 to 5000 (0 to 34.5)	0 to 7500 (0 to 51.7)
Accuracy	0.10% FS (typically 0.07% FS)		
Resolution	0.01% FS		
<b>Vibration Specifications</b>			
Vibration (random) G <sub>RMS</sub>	20 G Navmat		
Shock	500 G 1 ms half sine all axis		
Frequency	0 to 2000 Hz		