Blender Discharge Pressure Sensor Model BDU

Applications

- Monitor and control pump suction, blender discharge lines and frac trucks

Special features

- 4-20 mA, 2-wire Output
- 0.25% Accuracy (Combined)
- RFI Protected
- 0-200, 300, 500, 750 psi Ranges Available
- 0.2" Thick Inconel Flush Diaphragm Design
- Industry Standard 1/2 NPT Male Thread

Blender Discharge Sensor, Model BDU

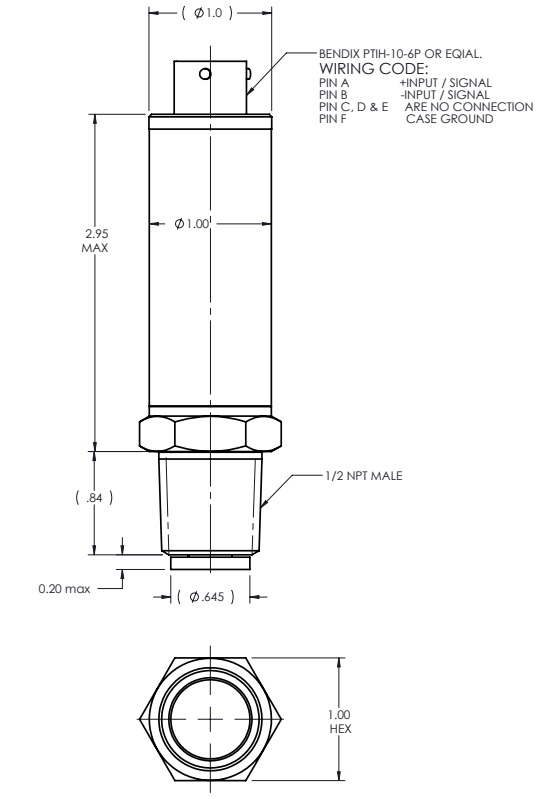
Description

The Model BDU blender discharge pressure sensor is a specialized sensor designed for direct measurement of high viscosity media like those found in oil and gas frac operations. The unit features a clog-resistant flush diaphragm design and an NPT pressure port connection to eliminate zero shift during installation. The Model BDU is built to survive harsh media with Inconel X-625 wetted parts, enhanced shock and vibration resistance up to 100 G's, a wide operating temperature and 5X proof pressure.

Performance Specifications

Model BDU	
Standard Ranges (psi)	0-200, 0-300, 0-500, 0-750 psi
Excitation	10-36 Vdc
Output.	4-20mA
Zero Balance	±2% FSO
Zero Shift from Installation	<0.2% FSO Standard
Linearity/Hysteresis (Combined)	±0.25% FSO
Repeatability	±0.10% FSO
Operating Temperature Range	-40° to +185°F (-40 to +85°C)
Compensated Temperature Range	+40° to +140°F (+4 to +60°C)
Thermal Effects: **Zero** **Span**	 ±0.01% FSO/°F ±0.02% Reading/°F
Proof Pressure	4X FS
Burst Pressure	5X FS
Wetted Parts	Inconel 625
Standard Connector **(Alternative connectors are available)**	BENDIX PTIH-10-6P or Equivalent
Wiring Code **Pin A** **Pin B** **Pin C,D,E** **Pin F**	 +INPUT / SIGNAL -INPUT/SIGNAL NO CONNECTION CASE GROUND
Enclosure Classification	IP67
RFI Protected	Yes
Shock Limit	100 G's
■ FSO = Full Scale Output	

Dimensions in inches



NOTES:
UNIT TO BE SUPPLIED WITH PVC PROTECTION CAP.

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