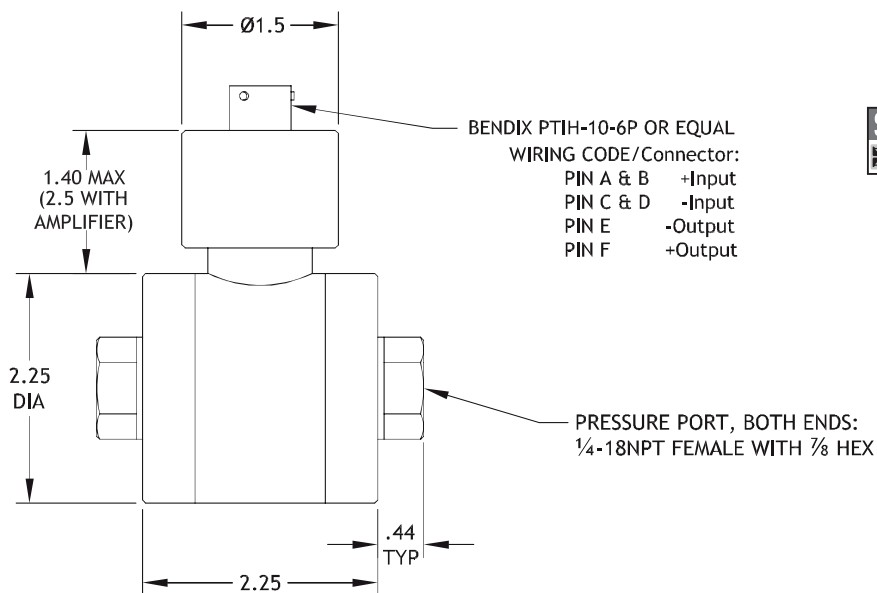


Differential Pressure Transducer

Model XPDH



All dimensions are in inches, unless otherwise noted. Also available in metric units.



max.
10,000
psid

**Measuring ranges**

- 0-2,000 to 0-10,000 psid

**Features**

- High Differential Pressure
- All Stainless Construction
- Wide Operating Temperature

**Options**

- Amplified Output available (voltage or current)
- Various Electrical Connections
- Various Pressure Ports

**Drawing**

- 99-5540-0000

PERFORMANCE SPECIFICATIONS (FSO is Full Scale Output)		Capacity (psid)	Ordering Example
EXCITATION	10 VDC (15 VDC Max)	2,500	XPDH-2K5D
OUTPUT	2 mV/V	5,000	XPDH-05KD
BRIDGE RESISTANCE	350 Ohms	10,000	XPDH-10KD
ZERO BALANCE	±1.0% FSO		
LINEARITY	±0.25% FSO, Combined		
HYSTERESIS	±0.05% FSO		
REPEATABILITY	-65 to +250°F		
OPERATING TEMP RANGE	+60 to +160°F		
COMPENSATED TEMP RANGE			
THERMAL EFFECTS			
on Zero	±0.50% FSO/100°F		
on Span	±0.50% Reading/100°F		
MAXIMUM LINE PRESSURE	2,000 psi		
MAXIMUM OVERPRESSURE			
SAFE-Either Side			
2,000 to 3,000 psid	100% over capacity		
5,000 to 10,000 psid	50% over capacity		
MATERIAL/WETTED PARTS	Stainless Steel		

Capacity (psid) ΔP	Maximum Overload (either side - psid) P _{max}	Maximum line pressure (psid)
0-2,000	4,000	LINE _{max} = P _{max} - ΔP
0-3,000	5,000	LINE _{max} = P _{max} - ΔP
0-5,000	7,000	LINE _{max} = P _{max} - ΔP
0-10,000	12,000	LINE _{max} = P _{max} - ΔP