







PDE1
























Piezoresistive Differential Pressure Transducer for Liquids and Gases



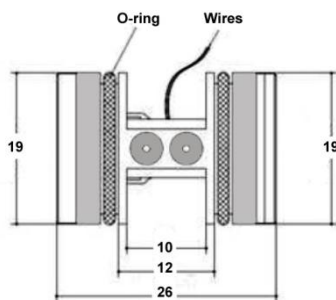
Features

-  Wide Pressure Range
-  High Accuracy
-  Compact and Rugged Model
-  Wide Range of Media Compatibility
-  200% Overpressure Protection in positive side
-  Wide operating temperature range

Technical Specs (Typ.)

 Range:	Selectable between 0~0.1 to 0~25	bar
 Static Line Pressure:	Max 200	bar
 Accuracy (combined linearity, hysteresis, repeatability):	±0.25	%Span
 Pressure Reference:	Differential	
 Power Supply :	1.5	mA
 Output:	100 (60 for range ≤ 1bar)	mV
 Zero Offset Tolerance:	±2	mV
 Temperature drift—Zero:	±0.02	%FS/°C
 Temperature drift—Span:	±0.02	%FS/°C
 Long term stability (1 year):	±0.3	%Span
 Insulation resistance (250V _{DC}):	200	MΩ
 Pressure Overload:	200 (for positive side)	%FS
 Pressure Cycles (Zero to Full Scale):	10	Million
 Bridge Resistance:	2600 ≤ R ≤ 5500	Ω
 Compensated Temperature:	0 ~ 60	°C
 Operating Temperature:	-40 ~ 125	°C
 Storage temperature:	-40 ~ 125	°C
 Electric connection:	4wire	
 Materials:	O-ring: Viton, Body: SS304, Diaphragm: SS316, Oil: Silicon	
 Response time:	≤1	mS
 Weight:	40	g
 Vibration:	±20	g
 Shock limit:	±100	g

Dimensions (mm)



Note: All detail is subject to change without prior notice

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