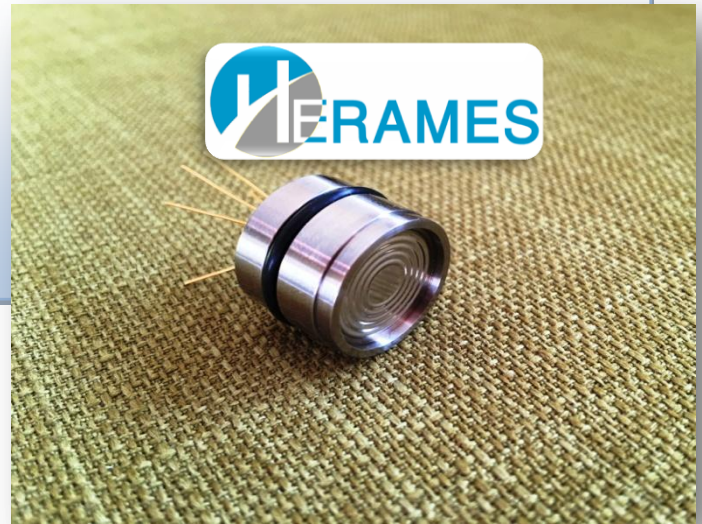









# PES1























## Piezoresistive OEM Pressure Transducer



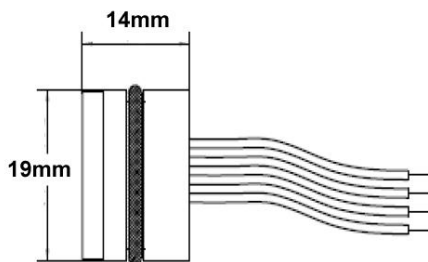
### Features

-  High accuracy
-  Wide range of Industrial Applications
-  Compact Size
-  Wide range of Pressure
-  Complete 316L Stainless Steel body and Diaphragm
-  Long term Durable Performance in harsh environment
-  Suitable for Liquids and gases compatible with 316LSS

### Technical Specs (Typ.)





 Range:	-1~0, 0~0.1 to 0~1000	bar
 Accuracy (combined linearity, hysteresis and repeatability):	±0.25	%Span
 Pressure Reference:	Vented Gauge, Sealed Gauge, Absolute	
 Power Supply:	1.5	mA
 Zero Output Tolerance:	±2	mV
 Span Output:	100 (60 for range ≤ 1bar)	mV
 Temperature Coefficient of Zero:	±0.02 (±0.04 for range ≤ 1bar)	%FS/°C
 Temperature Coefficient of Span:	±0.02 (±0.04 for range ≤ 1bar)	%FS/°C
 Long term stability (1 year):	±0.2	%Span
 Insulation Resistance:	≥200	MΩ/250V <sub>DC</sub>
 Pressure Overload:	300 (range <1bar); 150 (higher range)	%FS
 Pressure Cycles (Zero to Full Scale):	10	Million
 Bridge Resistance:	2600 ≤ R ≤ 5500	Ω
 Electric connection:	4wire / Gold plated Kovar pin	
 Materials:	O-ring: Viton, Body: SS316L, Diaphragm: SS316L, Oil: Silicon / Olive	
 Compensated Temperature:	-10 ~ 70	°C
 Operating Temperature:	-40 ~ 125	°C
 Storage temperature:	-40 ~ 125	°C
 Response time:	≤1	mS
 Weight:	~30	g
 Vibration:	±20	g
 Shock limit	100	g

### Dimension



**Note:** All detail is subject to change without prior notice

### Wiring:

 Excitation+ :	Red wire
 Excitation- :	Blue wire
 Output+ :	Yellow wire
 Output- :	White wire

Ver. 4.0-8/14

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