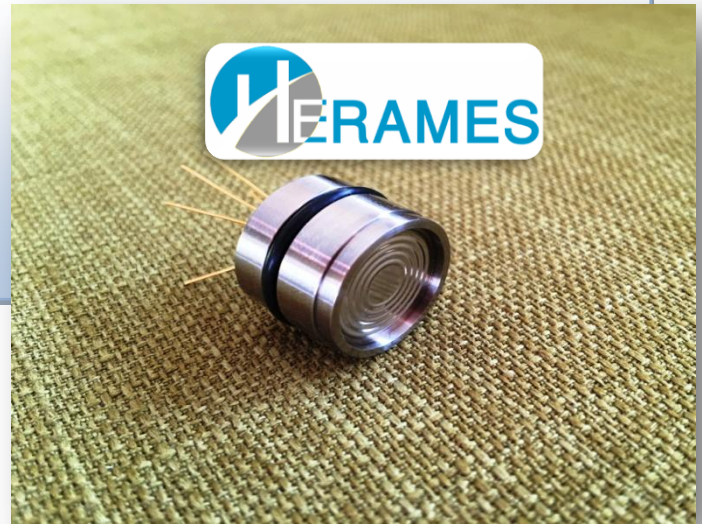


# PED1

## Piezoresistive OEM Digital Pressure Transducer



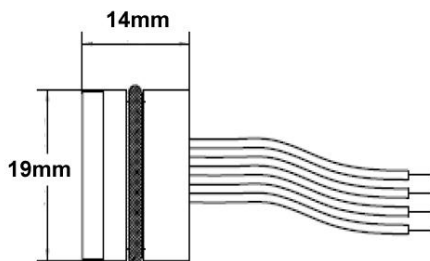
### Features

- 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:	3.3	V
Output:	I <sup>2</sup> C	
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
Electric connection:	4wire	
Materials:	O-ring: Viton, Body: SS316L, Diaphragm: SS316L, Oil: Silicon / Olive	
Compensated Temperature:	-10 ~ 70 (0~60 for ≤ 1bar)	°C
Operating Temperature:	-40 ~ 125	°C
Storage temperature:	-40 ~ 125	°C
Response time:	≤1	ms
Weight:	~40	g
Vibration:	±20 (20 – 5000Hz)	g
Shock limit:	100 / 10ms	g

### Dimension



### Wiring:

Excitation+ :	Red wire
Excitation- :	Blue wire
SCL:	Yellow wire
SDL:	White wire

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

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