

# 82 Series

## Product Definition

316L SS Pressure Sensor  
19mm Diameter Package  
0 – 100mV Output  
Gage, Absolute, Vacuum

### 82 Series

The 82 series is a 19mm small profile, media compatible, piezoresistive silicon pressure sensor packaged in a 316L stainless steel housing.

The 82 series can be configured for o-ring mounting or threaded process fittings and is designed for OEM applications where compatibility with corrosive media is required. The sensing package utilizes silicone oil to transfer pressure from the 316L stainless steel diaphragm to the sensing element.



### FEATURES

- O-Ring Mount/Threaded Process Fittings
- $\pm 0.2\%$  Pressure Non Linearity
- 1.0% Interchangeable Span (provided by gain set resistor)
- $-40^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$  Operating Temperature Range

### APPLICATIONS

- Medical Instruments
- Process Control
- Fresh & Waste Water Measurements
- Partial Vacuum Gas Measurement
- Pressure Transmitters
- Tank Level Systems (RV & Industrial)

# 82 Series

## Product Definition

Model	Pressure Ranges	Type (G = Gage A = Absolute D = Differential, V = Vacuum Gage)	Span (typ)	Supply		Operating Temperature	Unique Feature
				Voltage	Current		
<a href="#">82U</a>	0 – 1, 5, 15, 30, 50, 100, 300, 500psi	A, G	See Sensitivity		1.5mA	-40°C to +125°C	Low profile 19mm No substrate
<a href="#">82C</a>	0 – 1, 5, 15, 30, 50, 100, 300, 500psi	A, G	100mV		1.5mA	-40°C to +125°C	Low profile 19mm 6-Pad substrate
<a href="#">82CV</a>	0 – 1, 5, 15, 30, 50, 100, 300, 500psi	A, G	100mV	10Vdc		-40°C to +125°C	Low profile 19mm 4-Pad substrate
<a href="#">82VC</a>	0 – 15, 30, 50, 100, 300, 500psi	V	100mV		1.5mA	-40°C to +125°C	Low profile 19mm 6-Pad substrate

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