

# 82 Series

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

### 82 Series

The Model 82 series are a 19mm small profile, media compatible, piezoresistive silicon pressure sensor packaged in a 316L stainless steel housing. They are designed for o-ring mounting and 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
- $\pm 0.2\%$  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)	Span	Supply		Operating Temperature	Unique Feature
				Voltage	Current		
<a href="#">82U</a>	0 – 1, 5, 15, 30, 50, 100, 300, 500psi	A, G	100mV		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

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