

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

#### 82 Series

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

### 联系方式



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