

86 Series

Product Definition

316L SS Pressure Sensor
Small Profile
0 – 100mV Output
Gage, Absolute

86 Series

The 86 series is a small profile, media compatible, piezoresistive silicon pressure sensor packaged in a 316L stainless steel housing. The 86 is 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
- -40°C to +125°C Operating Temperature Range
- Up to $\pm 0.1\%$ Pressure Non Linearity
- 1.0% Interchangeable Span (provided by gain set resistor)
- Solid State Reliability

APPLICATIONS

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

86 Series

Product Definition

| Model | Pressure Ranges | Type (G = Gage A = Absolute D = Differential, V = Vacuum Gage) | Span (typ) | Voltage | Supply Current | Operating Temperature | Unique Feature |
|----------------------|--|--|--------------------|---------|-------------------|--------------------------|----------------------------------|
| 86U | 0 – 5, 15, 30, 50, 100, 300, 500psi | A, G | See Sensitivity | | 1.5mA | -40°C to +125°C | Small profile No substrate |
| 86C | 0 – 5, 15, 30, 50, 100, 300, 500psi | A, G | 100mV | | 1.5mA | -40°C to +125°C | Small profile 6-Pad substrate |
| 86CV | 0 – 5, 15, 30, 50, 100, 300, 500psi | A, G | 100mV | 10Vdc | | -40°C to +125°C | Small profile 4-Pad substrate |
| 86VC | 0 – 15, 30, 50, 100, 300, 500psi | V | 100mV | | 1.5mA | -40°C to +125°C | Small profile 6-Pad substrate |

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