

86 Series

Product Definition

316L SS Pressure Sensor
 Small Profile
 16mm Diameter
 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 with o-ring mounting for industrial 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 ±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)	Supply		Operating Temperature	Unique Feature
				Voltage	Current		
86U	0 – 5, 15, 30, 50, 100, 300, 500psi	A, G	See Sensitivity		1.5mA	-40°C to +125°C	Small profile No substrate Uncompensated
86C	0 – 5, 15, 30, 50, 100, 300, 500psi	A, G	100mV		1.5mA	-40°C to +125°C	Small profile 6-Pad substrate Compensated
86CV	0 – 5, 15, 30, 50, 100, 300, 500psi	A, G	100mV	10Vdc		-40°C to +125°C	Small profile 4-Pad substrate Constant voltage
86VC	0 – 15, 30, 50, 100, 300, 500psi	V	100mV		1.5mA	-40°C to +125°C	Small profile 6-Pad substrate Vacuum
86BC	0 – 15, 30, 50, 100, 300, 500psi	A, G	100mV		1.5mA	-40°C to +105°C	Small profile 6-Pad substrate Backside

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