measurement SPECIALTIES™

85 Series

Product Definition

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



85 Series

The 85 series is a small profile, media compatible, piezoresistive silicon pressure sensor packaged in a 316L stainless steel housing. The 85 is offered in a weldable package or with a variety of threaded fittings such as 1/4 and 1/8NPT, 1/4BSP as well as custom process fittings.

The sensing package utilizes silicone oil to transfer pressure from the 316L stainless steel diaphragm to the sensing element.

✓RoHS

FEATURES

- Weldable and Threaded Process Fittings
- -40ºC to +125ºC Operating Temperature Range
- ±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)

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85 Series

Product Definition

Model	Pressure Ranges	Type (G = Gage A = Absolute D = Differential)	Span (typ)	Supply Voltage	Supply Current	Operating Temperature	Unique Feature
85U	0 – 5, 15, 30, 50, 100, 300, 500psi	A, G	See Sensitivity		1.5mA	-40°C to +125°C	Small profile No substrate
85C	0 – 5, 15, 30, 50, 100, 300, 500psi	A, G	100mV		1.5mA	-40°C to +125°C	Small profile 6-Pad substrate
85CV	0 – 5, 15, 30, 50, 100, 300, 500psi	A, G	100mV	10Vdc		-40°C to +125°C	Small profile 4-Pad substrate

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