

85 Series

Product Definition

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

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.



FEATURES

- Weldable and Threaded Process Fittings
- -40°C to +125°C Operating Temperature
- Up to $\pm 0.1\%$ Pressure Non Linearity
- Solid State Reliability

APPLICATIONS

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

85 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		
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
85VU	0 – 15, 30, 50, 100, 300, 500psi	V	See Sensitivity		1.5mA	-40°C to +125°C	Small profile No substrate
85VC	0 – 15, 30, 50, 100, 300, 500psi	V	100mV		1.5mA	-40°C to +125°C	Small profile 6-Pad Substrate
85VCV	0 – 15, 30, 50, 100, 300, 500psi	V	100mV	10Vdc		-40°C to +125°C	Small profile 4-Pad substrate
85BC	0 – 15, 30, 50, 100, 300psi	A, G	100mV		1.5mA	-40°C to +105°C	Low Cost Small profile 6-Pad substrate Wide temperature compensation range

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