

89 Series

Product Definition

316L SS Pressure Sensor High Pressure Sealed Gage, Absolute

89 Series

The 89 series is a small profile, media compatible, piezoresistive silicon pressure sensor packaged in a 316L stainless steel housing featuring 5/16-32 UNEF threads and can be welded in place. The 89 is designed for high pressure 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

- Weldable and Threaded Process Fittings or O-Ring Mount
- -40°C to +125°C Operating Temperature Range
- $\pm 0.25\%$ Pressure Non Linearity
- Solid State Reliability

APPLICATIONS

- Hydraulic Controls
- Process Control
- Process Calibrators
- Refrigeration/Compressors

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Product Definition

Model	Pressure Ranges	Type (G = Gage A = Absolute D = Differential, S = Sealed Gage)	Span (typ)	Supply Voltage		Operating Temperature	Unique Feature
				Voltage	Current		
89U	0 – 1000, 3000, 5000, 10Kpsi	A, S	See Sensitivity		1.5mA	-40°C to +125°C	Small profile 5/16-32 UNEF Threads No substrate
89C	0 – 1000, 3000, 5000, 10Kpsi	A, S	100mV		1.5mA	-40°C to +125°C	Small profile 5/16-32 UNEF Threads 6-Pad substrate
89CV	0 – 1000, 3000, 5000, 10Kpsi	A, S	100mV	10Vdc		-40°C to +125°C	Small profile 5/16-32 UNEF Threads 4-Pad substrate