

# 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
- ±0.25% Pressure Non Linearity
- Solid State Reliability

#### APPLICATIONS

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

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Model	Pressure Ranges	Type (G = Gage A = Absolute D = Differential, S = Sealed Gage)	Span (typ)	Supply Voltage Current		Operating Temperature	Unique Feature
<a href="#">89U</a>	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
<a href="#">89C</a>	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
<a href="#">89CV</a>	0 – 1000, 3000, 5000, 10Kpsi	A, S	100mV	10Vdc		-40°C to +125°C	Small profile 5/16-32 UNEF Threads 4-Pad substrate

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