# 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, V = Vacuum Gage) | 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 |
| 85VC | 0 – 15, 30, 50, 100, 300, 500psi | V | 100mV | | 1.5mA | -40°C to +125°C | Small profile 6-Pad Substrate |





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