

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.



FEATURES

- Weldable and Threaded Process Fittings
- -40°C to +125°C Operating Temperature Range
- $\pm 0.1\%$ 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)

85 Series

Product Definition

Model	Pressure Ranges	Type (G = Gage A = Absolute D = Differential)	Span (typ)	Supply Voltage 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

NORTH AMERICA

Measurement Specialties
45738 Northport Loop West
Fremont, CA 94538
Tel: 1-800-767-1888
Fax: 1-510-498-1578
Sales: pfg.cs.amer@meas-spec.com

EUROPE

Measurement Specialties
(Europe), Ltd.
26 Rue des Dames
78340 Les Clayes-sous-Bois, France
Tel: +33 (0) 130 79 33 00
Fax: +33 (0) 134 81 03 59
Sales: pfg.cs.emea@meas-spec.com

ASIA

Measurement Specialties
(China), Ltd.
No. 26 Langshan Road
Shenzhen High-Tech Park (North)
Nanshan District, Shenzhen 518057
China
Tel: +86 755 3330 5088
Fax: +86 755 3330 5099
Sales: pfg.cs.asia@meas-spec.com

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