



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
- ±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)

Web: www.cdiweb.com





85 Series

Product Definition

Model	Pressure Ranges	Type (G = Gage A = Absolute D = Differential)	Span (typ)	Supply Voltage Current		Operating Temperature	Unique Feature
<u>85U</u>	0 - 5, 15, 30, 50, 100, 300, 500psi	A, G	See Sensitivity		1.5mA	-40°C to +125°C	Small profile No substrate
<u>85C</u>	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

The information in this sheet has been carefully reviewed and is believed to be accurate; however, no responsibility is assumed for inaccuracies. Furthermore, this information does not convey to the purchaser of such devices any license under the patent rights to the manufacturer. Measurement Specialties, Inc. reserves the right to make changes without further notice to any product herein. Measurement Specialties, Inc. makes no warranty, representation or guarantee regarding the suitability of its product for any particular purpose, nor does Measurement Specialties, Inc. assume any liability arising out of the application or use of any product or circuit and specifically disclaims any and all liability, including without limitation consequential or incidental damages. Typical parameters can and do vary in different applications. All operating parameters must be validated for each customer application by customer's technical experts. Measurement Specialties, Inc. does not convey any license under its patent rights nor the rights of others.

85 Series www.meas-spec.com September 2011

Web: www.cdiweb.com