

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

89 Series

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

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.