

82 Series

Product Definition

316L SS Pressure Sensor
19mm Diameter Package
0 – 100mV Output
Gage, Absolute

82 Series

The 82 series is a 19mm small profile, media compatible, piezoresistive silicon pressure sensor packaged in a 316L stainless steel housing. They are designed for o-ring mounting and 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

- O-Ring Mount
- $\pm 0.2\%$ Pressure Non Linearity
- 1.0% Interchangeable Span (provided by gain set resistor)
- -40°C to $+125^{\circ}\text{C}$ Operating Temperature Range

APPLICATIONS

- Medical Instruments
- Process Control
- Fresh & Waste Water Measurements
- Partial Vacuum Gas Measurement
- Pressure Transmitters
- Tank Level Systems (RV & Industrial)

82 Series

Product Definition

Model	Pressure Ranges	Type (G = Gage A = Absolute D = Differential)	Span (typ)	Supply Voltage Current	Operating Temperature	Unique Feature
82U	0 – 1, 5, 15, 30, 50, 100, 300, 500psi	A, G	See Sensitivity	1.5mA	-40°C to +125°C	Low profile 19mm No substrate
82C	0 – 1, 5, 15, 30, 50, 100, 300, 500psi	A, G	100mV	1.5mA	-40°C to +125°C	Low profile 19mm 6-Pad substrate
82CV	0 – 1, 5, 15, 30, 50, 100, 300, 500psi	A, G	100mV	10Vdc	-40°C to +125°C	Low profile 19mm 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: pfq.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: pfq.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: pfq.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.