

86 Series

Product Definition

316L SS Pressure Sensor
Small Profile
16mm Diameter
0 – 100mV Output
Gage, Absolute

86 Series

The 86 series is a small profile, media compatible, piezoresistive silicon pressure sensor packaged in a 316L stainless steel housing. The 86 is designed with o-ring mounting for industrial 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
- -40°C to +125°C Operating Temperature Range
- Up to $\pm 0.1\%$ 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)

86 Series

Product Definition

Model	Pressure Ranges	Type (G = Gage A = Absolute D = Differential, V = Vacuum Gage)	Span (typ)	Supply Voltage	Current	Operating Temperature	Unique Feature
86U	0 – 5, 15, 30, 50, 100, 300, 500psi	A, G	See Sensitivity		1.5mA	-40°C to +125°C	Small profile No substrate Uncompensated
86C	0 – 5, 15, 30, 50, 100, 300, 500psi	A, G	100mV		1.5mA	-40°C to +125°C	Small profile 6-Pad substrate Compensated
86CV	0 – 5, 15, 30, 50, 100, 300, 500psi	A, G	100mV	10Vdc		-40°C to +125°C	Small profile 4-Pad substrate Constant voltage
86VC	0 – 15, 30, 50, 100, 300, 500psi	V	100mV		1.5mA	-40°C to +125°C	Small profile 6-Pad substrate Vacuum
86BC	0 – 15, 30, 50, 100, 300, 500psi	A, G	100mV		1.5mA	-40°C to +105°C	Small profile 6-Pad substrate Backside

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.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[86-050G-C](#) [86-300G-C](#) [86-005G-C](#) [86-015G-C](#) [86-030A-C](#)