

316L Stainless Steel
Wet/Wet Differential
Constant Current/Constant Voltage
Fittings/Cable
Uncompensated/Non-Silicone Oil

DP86 Series

The DP86 Series differential pressure sensor is a double-sided, media compatible, piezoresistive silicon pressure sensor packaged in a 316L stainless steel housing. The series can be configured for o-ring mounting or threaded process fittings. The sensing package utilizes silicone oil to transfer pressure from the two 316L stainless steel diaphragms to a single sensing element.

This series is designed for high performance, low pressure applications where differential pressure measurement is required. The stainless steel package makes it suitable for use in liquids and corrosive environments.



FEATURES

- O-Ring Mount/Threaded Process Fittings
- Up to -40°C to +125°C Operating Range
- Up to $\pm 0.1\%$ Pressure Non Linearity
- Solid State Reliability
- Low Pressure

APPLICATIONS

- Level Controls
- Tank Level Measurement
- OEM Equipment
- Corrosive Fluids and Gas Measurement Systems
- Flow Measurements

Product Definition

Model	Pressure Ranges	Type (G = Gage A = Absolute D = Differential)	Span (typ)	Supply		Operating Temperature	Unique Feature
				Voltage	Current		
DP86	0 – 1, 5, 15, 30, 50, 100, 300, 500psi	D	See Sensitivity		1.5mA	-40°C to +125°C	O-ring mount
DP86CC- CBL	0 – 1, 5, 15, 30, 50, 100, 300, 500psi and 0 – 35Bar	D	100mV		1.5mA	-40°C to +125°C	O-ring mount
DP86CC- FTG	0 – 1, 5, 15, 30, 50, 100, 300, 500psi and 0 – 35Bar	D	100mV		1.5mA	-40°C to +125°C	Threaded process fittings
DP86CV- CBL	0 – 1, 5, 15, 30, 50, 100, 300, 500psi and 0 – 35Bar	D	80, 100mV	10Vdc		-40°C to +125°C	O-ring mount
DP86CV- FTG	0 – 1, 5, 15, 30, 50, 100, 300, 500psi and 0 – 35Bar	D	80, 100mV	10Vdc		-40°C to +125°C	Threaded process fittings
DP86NS	0 - 15, 30, 50, 100, 300, 500psi	D	See Sensitivity		1.5mA	-55°C to +100°C	O-ring mount
DP86U- FTG	0 – 1, 5, 15, 30, 50, 100, 300, 500psi	D	See Sensitivity		1.5mA	-40°C to +125°C	Threaded process fittings

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