

154 Series

Product Definition

316L SS or Titanium Pressure Sensor 19mm Small Profile Gage, Absolute, Vacuum Gage

154 Series

The 154 series is a 19mm small profile, media compatible, piezoresistive silicon pressure sensor packaged in a 316L stainless steel or titanium housing. The 154 is 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 or titanium diaphragm to the sensing element.



FEATURES

- O-Ring Mount
- -40°C to +125°C Operating Temperature
- Up to $\pm 0.1\%$ Pressure Non Linearity
- Solid State Reliability

APPLICATIONS

- Medical Instruments (Dialysis Machines)
- Process Control
- Fresh, Waste, Salt and Brackish Water Measurements
- Partial Vacuum Gas Measurement
- Pressure Transmitters
- Tank Level Systems (RV & Industrial)
- Refrigeration/Compressors
- Hydraulic Controls

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Model	Pressure Ranges	Type (G = Gage A = Absolute D = Differential, V = Vacuum Gage)	Span (typ)	Supply Voltage Current	Operating Temperature	Unique Feature
154NU	0 – 1, 5, 15, 30, 50, 100, 300, 500psi	A, G	See Sensitivity	1.5mA	-40°C to +125°C	Small profile No substrate
154NC	0 – 1, 5, 15, 30, 50, 100, 300, 500psi	A, G	100mV	1.5mA	-40°C to +125°C	Small profile 6-Pad substrate
154NCV	0 – 1, 5, 15, 30, 50, 100, 300, 500psi	A, G	100mV	10Vdc	-40°C to +125°C	Small profile 4-Pad substrate
154NVU	0 – 15, 30, 50, 100, 300, 500psi	V	See Sensitivity	1.5mA	-40°C to +125°C	Small profile No substrate
154NVC	0 – 15, 30, 50, 100, 300, 500psi	V	100mV	1.5mA	-40°C to +125°C	Small profile 6-Pad substrate
154BC	0 – 15, 30, 50, 100, 300psi 0 – 7, 12, 18, 28Bar	A, G	100mV	1.5mA	-40°C to +105°C	Low Cost Small profile 6-Pad substrate Titanium option Wide temperature compensation range

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