

All Sensors Corporation

16035 Vineyard Blvd.
Morgan Hill, CA 95037
www.allsensors.com

Extended Pressure Ranges Available for BLC Series Basic Compact Sensor

December 2018

All Sensors Corporation of Morgan Hill, California has announced the availability of additional **BLC Series** pressure ranges. The BLC Series now includes high pressure ranges from 5 psi to 150 psi. This device series offers design engineers excellent performance for pressure ranges of ± 1 inH₂O through ± 30 inH₂O, and now 5 psi to 150 psi gage and differential and 15 psi to 150 psi absolute. The BLC Series basic low pressure compact sensor is based on All Sensors' CoBeam²™ Technology. The devices provide a high output signal at a low operating voltage, maintaining comparable output levels to traditional equivalent basic sensing elements. This lower supply voltage gives rise to improved warm-up shift while the CoBeam²™ Technology reduces package stress susceptibility, resulting in improved overall long term stability. The technology also vastly improves position sensitivity compared with conventional single die devices.

This series is intended for use with non-corrosive, non-ionic working fluids such as air or dry gases. The compact size of this series will provide excellent opportunities for small mobile devices. The basic output is also ratiometric to the supply voltage and is operable from 0.9 to 1.8 volts DC, ideal for battery applications. Devices are available in 1, 5, 10, 20, 30 inH₂O (0.2, 1.2, 2.5, 5, 7.5 kPa) and 5, 15, 30, 100, 150 psi (34, 103, 207, 689, 1034 kPa) differential and gage as well as 15, 30, 100 and 150 psi (103, 207, 690, 1034 kPa) absolute pressure ranges.

Package Features

- Compact package, PC board mountable in SMT and DIP lead configurations
- Multiple port options available

Product and Electrical Features

- μ Power low supply voltage (0.9V to 1.8V)
- Ratiometric basic output
- 0.1% linearity typical for low pressure ranges, 0.15% linearity typical for high pressure ranges
- Improved front to back linearity
- Less position sensitivity
- Improved warm-up shift distribution
- Operating temperature range: -25°C to 85°C

Applications

Ideal applications for this device include; medical devices, medical instrumentation, environmental controls, HVAC, portable/hand held devices

Price

Contact factory for price. Samples are available for product testing

For additional information, please visit:

<https://www.allsensors.com/products/blc-series>

Contact Information:

Cynthia Nonnenmacher - 408 225 4314 tel - cnonnenmacher@allsensors.com

