

All Sensors Corporation

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

PRESS RELEASE
For Immediate Release

New DLC Series — High Resolution Compact Pressure Sensors

June 2018

All Sensors Corporation of Morgan Hill, California has announced a brand new series of compact pressure sensors with digital output. The DLC Series offers excellent performance over ultra low (1 to 60 inH₂O) pressure ranges. These new pressure sensors offer high performance using All Sensors' proprietary CoBeam²™ technology. Higher pressure ranges from 5 to 150 psi are also offered. Design engineers will find exceptional space savings with optimal performance for various compact applications. The DLC series compact package sizes start as small as 7mm² and the product family's low cost makes it the perfect solution for applications that require very low prices with high volume.

For battery-powered systems, the sensors can enter very low-power modes between readings to minimize load on the power supply. The low supply voltage allows for integration of the sensors into a wide range of process control and measurement systems, as well as direct connection to I²C serial communications channels with 16 bit digital resolution.

These calibrated and compensated sensors provide accurate and stable output over -20°C to 85°C. This series is intended for use with non-corrosive, non-ionic working fluids such as air and dry gases. Devices are available from 1 to 60 inH₂O differential and gauge, 5 to 150 psi differential and gauge, and from 15 to 150 PSI absolute.

Product Features

- 1 to 60 inH₂O differential & gauge, 5 to 150 psi differential and gauge, 15 to 150 PSI absolute pressure ranges
- 1.5% Total Error Band, depending on pressure range
- Compact packages, PC board mountable in SMT and DIP lead configurations
- Multiple port options available
- Compensated temperature range -20°C to 85°C
- Internal oversampling up to 16 readings

Electrical Features

- 16 bit digital resolution
- I²C interface
- 1.8 to 3.6V Supply voltage
- Less than 100 nA typical idle current

Applications

Ideal applications for this device include: medical breathing, environmental controls, HVAC, industrial controls, portable/hand-held equipment and all low pressure applications.

Price

Contact factory for price. Samples are available for product testing.

For additional information, please visit:
<https://www.allsensors.com/products/dlc-series>

Contact Information:
Jason Paiva - 408 225 4314 tel - jpaiva@allsensors.com

