

## All Sensors Corporation

16035 Vineyard Blvd.  
Morgan Hill, CA 95037  
[www.allsensors.com](http://www.allsensors.com)

PRESS RELEASE  
*For Immediate Release*

# New DLC Series — High Resolution Compact Pressure Sensors

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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 inH<sub>2</sub>O) pressure ranges. These new pressure sensors offer high performance using All Sensors' proprietary CoBeam<sup>2</sup>™ 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 7mm<sup>2</sup> 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 I<sup>2</sup>C 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 inH<sub>2</sub>O differential and gauge, 5 to 150 psi differential and gauge, and from 15 to 150 PSI absolute.

### Product Features

- 1 to 60 inH<sub>2</sub>O 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
- I<sup>2</sup>C 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](mailto:jpaiva@allsensors.com)

