

All Sensors Corporation

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PRESS RELEASE
For Immediate Release

Basic Low Voltage Pressure Sensors

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All Sensors Corporation of Morgan Hill, California has announced a new line of Basic Low Voltage Pressure Sensors. The new Basic Low Voltage Pressure Sensor product family consists of two product series, the Basic Low Voltage (BLV) Series and the Basic Low Voltage Reference (BLVR) Series. Both the BLV and BLVR are based upon All Sensors' CoBeam²™ Technology. CoBeam²™ Technology helps reduce package stress as well as greatly improves position sensitivity when compared with competitive sensors. The BLV Series device utilizes a single die technology while the BLVR Series utilizes a dual die reference technology to reduce all output offset or common mode errors. The BLV and BLVR Series devices provide a high output signal at a low operating voltage. This is the result of an extremely sensitive sensing element capable of operating at low supply voltages. Lower operating voltages result in improved errors due to warm-up shift. The BLV and BLVR afford design engineers a new basic pressure sensor capable of low pressure measurement with improved energy efficiency. The Basic Low Voltage (BLV) Series is available in 1, 5, 10, 20, and 30 inH₂O pressure ranges. The Basic Low Voltage Reference (BLVR) Series is also available 1, 5, 10, 20, and 30 inH₂O pressure ranges.

Package Features

The sensors are offered in a pc board mountable package. Multiple port configurations are available including gage and differential devices.

Electrical Features

The BLV and BLVR employ All Sensors' CoBeam²™ Technology. Both devices provide a basic, uncompensated mV output. The BLVR Series device employs a dual die reference technology to reduce all output offset or common mode errors. The BLV Series device is specified at 1.8 volt excitation with 1mW power consumption. The BLVR (dual die) is specified at 3.3 volt excitation with 7 mW power consumption. Low operating voltage offers increased energy efficiency.

Applications

Ideal applications for this device are; portable devices, battery operated devices, remote sensing, HVAC, and industrial controls.

Price

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

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