

All Sensors Corporation

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PRESS RELEASE

For Immediate Release

Analog & Digital Pressure Sensors

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All Sensors Corporation of Morgan Hill, California has announced a new line of digital pressure sensors: the ELVR Series. The new device series offers OEM customers increased design flexibility for pressure ranges from 2.5 to 75 mbar (1 to 30 inch H₂O).

The ELVR Series is a direct replacement to First Sensors' HCLA product line. Refer to the product web page for a cross reference table.

Product highlights include an I2C or SPI interface, an analog 0.5 to 4.5V output signal, and significantly reduced position sensitivity. All Sensors' superior dual-die CoBeam2™ Technology allows for greater sensitivity while reducing package stress. The ELVR sensors can communicate directly with microcontrollers, eliminating the need for additional A/D converters. ELVR available at 3V and 5V supply voltage. The ELVR series is well suited for portable applications. A wide range of miniature SIP and DIP package options allows for flexible and space-saving PCB-mounting. Devices are available in bidirectional and unidirectional 2.5, 12.5, 25, 50, and 75 mbar pressure ranges. (1, 5, 10, 20 and 30 inches of water)

Product Features

- Miniature package with SIP, DIP and SMT lead configurations
- PC board mountable package
- Multiple port and lead configurations available

Electrical Features

- Digital I²C, SPI interface and analog output
- 12 Bit digital resolution and higher available upon request
- Offered at 3 and 5V supply voltages.
- High Speed (cycle time 0.25 ms typ. and response time 0.5 ms typ.)
- All Sensors' proprietary low pressure CoBeam²™ Technology die

Custom pressure range and calibration outputs available upon request

Applications

Ideal applications for this device include: medical devices, pneumatic controls, instrumentation, environmental controls, HVAC, and industrial controls.

Price

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

For additional information, please visit:

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

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