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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 series of analog and digital pressure sensors: the ELV Series, which is intended for OEM customers who require high stability, ultra low and low pressure ranges, and ability to customize calibrations and pressure ranges from a proven world class supplier. Features include pin for pin compatibility with alternate suppliers. The series offers pressure ranges from as low as 0.5 inH₂O and up to 150 PSI, including millibar calibrations from 2.5 mbar to 10 bar.

The ELV Analog and Digital Pressure Sensor series consists of four new product families: ELVH, ELVI, ELVE, and ELVA. The ELV series incorporates All Sensors' proprietary Ultra Low Pressure CoBeam²™ Technology. This innovative sensing element technology offers best in class, ultra low pressure sensing which provides superior stability and total performance.

Product highlights include an I²C or SPI interface as well as amplified analog output and 12- or 14-bit resolution, based on product family. Multiple miniature SIP and DIP package options allows for flexible and space-saving PCB-assembly. The ELV series pressure sensors are intended for use with non-corrosive, non-ionic gases, such as air and other dry gases. A protective Parylene coating is optionally available for moisture/harsh media protection for pressure ranges starting at ±10 inH₂O (±25 mbar) and above.

Product Features

- PC board mountable miniature package with SIP, DIP thru-hole, and SMT lead configurations
- Custom package configurations, pressure ranges and calibrations available upon request
- Optional Parylene protective coating for added media isolation protection

Electrical Features

- Pin for Pin Compatibility with Alternate Suppliers
- Amplified Analog and Digital Outputs
- Digital I²C and SPI Interfaces and 14-Bit and 12-Bit Digital Resolution capabilities
- 3V, 3.3V and 5V Supply Voltage options

Applications

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

Price

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

For additional information, please visit:

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

