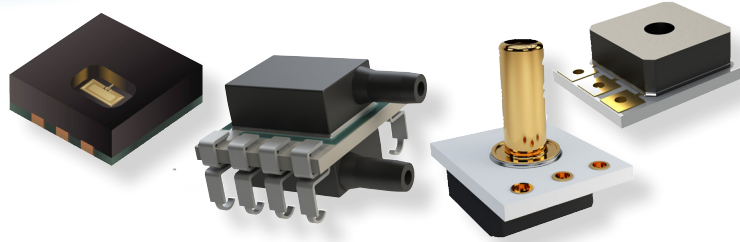


# New Product Release

BOURNS® PRECISION SENSORS



## Bourns Introduces Line of Environmental Sensors Based on MEMS Technology

*New Line of Pressure and Humidity Sensors Features High Accuracy for Demanding Applications in Harsh Environments*

### ***Model BPS110, BPS120, BPS130 and BPS230 Series***

Riverside, California - October 29, 2018 -- Bourns Sensors & Controls Product Line is introducing a new line of environmental sensors based on Microelectromechanical Systems (MEMS) technology. The initial products offered in the Bourns® Precision Sensor (BPS) line are three pressure sensor model families (Model BPS110/120/130) and one humidity sensor model family (Model BPS230). Designed for the advanced sensor needs in Industrial Automation, Energy, Building & Home Control, low/medium risk Medical Devices\* and Mil/Aero applications, the BPS line has been designed to provide high sensitivity/accuracy, long-term reliability, high temperature capability and harsh media compatibility.

Bourns' new sensors feature state-of-the-art technologies that provide the ability to operate in conditions that typically cause many sensors to fail.

The [Model BPS110](#) and [BPS120](#) pressure sensor models deliver extremely accurate ultra-low pressure sensing capabilities for sensitive applications. The Model BPS110/120 families offer fully calibrated and compensated output for more efficient processes as well as long-term stability for reliable repeatability.

The [Model BPS130](#) pressure sensor line features harsh media compatibility and high temperature operation with high accuracy. This sensor family offers particularly stable performance over the product's lifespan, and the ability to work with a wide range of pressures.

Bourns also offers port configuration and calibration customization for all three BPS pressure sensor model families.

*~Continued~*

\* Bourns® products have not been designed for and are not intended for use in "lifesaving," "life-critical" or "life-sustaining" applications nor any other applications where failure or malfunction of the Bourns® product may result in personal injury or death. See Legal Disclaimer Notice [www.bourns.com/docs/legal/disclaimer.pdf](http://www.bourns.com/docs/legal/disclaimer.pdf).

The [Model BPS230](#) family offers precise relative humidity sensing in a small (2.0 x 2.0 x 0.75 mm) surface mount package. Bourns' new line of humidity sensors features low current consumption for battery supported applications, and low voltage operation compatibility with high reliability over the life of the sensor.

All four Model BPS110, BPS120, BPS130 and BPS230 environmental sensor families are available now. For more details on Bourns® Precision Sensors, please visit the Bourns website at <https://www.bourns.com/products/sensors/environmental-sensors>. If you have any questions, please contact [Bourns Customer Service/Inside Sales](#).

### **Pressure Sensor Features**

#### **BPS110/120:**

- Ultra-low pressure sensing
- Gauge and differential types
- For use in clean, dry air and non-corrosive gas environments
- Digital I<sup>2</sup>C output (BPS120), amplified analog output (BPS110)

#### **BPS130:**

- For use in harsh environments
- Gauge and absolute types
- Amplified analog output

### **Humidity Sensor Features**

#### **BPS230:**

- Relative humidity sensing
- Small form factor (2.0 x 2.0 x 0.75 mm)
- Digital I<sup>2</sup>C output

#### **ALL BPS SERIES SENSORS:**

- Compensated output
- Tape and reel packaging
- RoHS compliant\*\*

\*\* RoHS3 Directive 2015/863 Amendments of Annex II on March 31, 2015