

## New Product Announcement

# Bourns Precision Sensor Family, Now at Mouser, Delivers Accurate Temp and RH Performance in Demanding Applications

**December 6, 2018** – [Mouser Electronics](http://www.mouser.com), Inc., the industry's leading New Product Introduction (NPI) distributor with the widest selection of semiconductors and electronic components, is now stocking the [Bourns Precision Sensor](#) (BPS) family of environmental sensors based on microelectromechanical systems (MEMS) technology. The new family of [sensors](#) from [Bourns](#) includes high-precision pressure and humidity sensors for use in demanding applications such as [medical](#) equipment, HVAC equipment, and [industrial](#) process control.

The [Bourns BPS](#) family, available from Mouser Electronics, includes a series of [three pressure sensors](#) for use in sensitive operating conditions. The BPS110 and BPS120 sensors offer accurate sensing in an ultra-low pressure range of 0.15 psi to 1.0 psi, and a stable 1.5-percent full scale total error band (FS TEB) over a temperature range of 0 to 60 degrees C. Boasting calibrated pressure ranges to a depth of 1 in. (2.54 cm) of water, the BPS110 and BPS120 sensors feature fully calibrated and compensated output to enable more efficient processes.

The BPS130 sensor delivers precision performance in high-temperature applications, with an operating range of minus 40 to 150 degrees C and 2.5 percent TEB over the device's entire operating range. Offering stable performance over the product's lifetime, the BPS130 sensor is capable of operation throughout a broad pressure range of 15 to 500 psi.

The Bourns BPS family also includes the highly accurate, [low-power BPS230](#) humidity sensors. Featuring  $\pm 3$  percent relative humidity accuracy over the calibrated temperature range of minus 30 to 100 degrees C, the precision devices offer low current consumption of 13  $\mu$ A (typ.) for use in battery-supported applications. The BPS230 sensors are housed in a minuscule 2.0 x 2.0 x 0.75 mm package, making them a useful choice for consumer products and medical monitoring equipment.

To learn more, visit [www.mouser.com/bourns-bps-precision-sensors](http://www.mouser.com/bourns-bps-precision-sensors).

With its broad product line and unsurpassed customer service, Mouser strives to empower innovation among design engineers and buyers by delivering advanced technologies. Mouser stocks the world's widest selection of the latest semiconductors and electronic components for the newest design projects. Mouser Electronics' website is continually updated and offers advanced search methods to help customers quickly locate inventory. Mouser.com also houses data sheets, supplier-specific reference designs, application notes, technical design information, and engineering tools.

### **About Mouser Electronics**

Mouser Electronics, a Berkshire Hathaway company, is an award-winning, authorized semiconductor and electronic component distributor focused on rapid New Product Introductions from its manufacturing partners for electronic design engineers and buyers. The global distributor's website, Mouser.com, is available in multiple languages and currencies and features more than 5 million products from over 750 manufacturers. Mouser offers 23 support locations around the world to provide best-in-class customer service and ships globally to over 600,000 customers in more than 220 countries/territories from its 750,000 sq. ft. state-of-the-art facility south of Dallas, Texas. For more information, visit [www.mouser.com](http://www.mouser.com).

### **About Bourns**

Bourns is a leading manufacturer and supplier of automotive sensors, circuit protection solutions, magnetic products, microelectronic modules, trimming and precision potentiometers, panel controls, encoders, and resistive products. Headquartered in Riverside, CA, Bourns serves a broad range of markets, including telecommunications, computer, industrial, instrumentation, automotive, consumer, non-critical life support medical, audio, and various other market segments. Bourns products are manufactured according to ISO-9000 standards under Six Sigma quality programs. Bourns automotive products are manufactured in accordance with the TS16949 standard.

### **Trademarks**

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