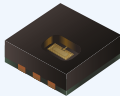


# Bourns® Humidity Sensors

Series	Photo	Operating Range	Temperature Range	Output	Accuracy	Features
BPS230		0 to 100 % RH	-40 °C to 105 °C	I <sup>2</sup> C, 10 bit	±3.0 % RH	<ul style="list-style-type: none"> <li>• Low voltage</li> <li>• 2.0 x 2.0 x 0.75 mm package</li> <li>• Temperature and humidity output</li> <li>• RoHS compliant*</li> </ul>

Bourns Sensors and Controls is committed to providing customers with precision environmental sensors for applications requiring highly stable output in harsh environments. The Bourns® Precision Sensor (BPS) portfolio of products is comprised of pressure and humidity sensors designed for demanding applications in the industrial, medical\*\*, and consumer markets. Quality, performance and reliability are the core values of this family of environmental condition sensors.

As with the other Sensors and Controls products, several of our BPS models can be modified to fit the customer's specific application.

All of our sensors are based on innovative Micro Electrical Mechanical Systems (MEMS) technology which provides extremely accurate condition readings in a tiny package. Capacitive technology combined with MEMS forms the basis for our ultra-small humidity sensor.

Features of the Model BPS230 Series Humidity Sensor include: one of the smallest packages available (2.0 x 2.0 x 0.75 mm), high accuracy at ±3.0 % RH.

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

\*\* Excluding life-critical, life-saving and life sustaining applications.



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