



Bourns Introduces New Model in the Line of Humidity Sensors Based on MEMS Technology

Model BPS240 Series

Riverside, California – March 30, 2021 – Bourns Sensors and Controls Product Line is introducing a new model in the line of environmental sensors based on Microelectromechanical Systems (MEMS) technology. The new series is designed for the advanced sensor needs in industrial automation, energy, building & home control, and low/medium-risk medical* applications. The [Model BPS240](#) series has been designed to provide fast response time with digital (I²C) output, high sensitivity/accuracy, and long-term reliability.

For more details on Bourns[®] Precision Sensors, please visit the Bourns website at www.bourns.com/products/sensors/environmental-sensors. Should you have any questions, please contact [Bourns Customer Service/Inside Sales](#).

Features

- Fast response time (<1 second)
- Relative humidity accuracy of $\pm 2\%$ (typical)
- Low voltage operation
- Low current consumption
- I²C communication protocol
- Reliable capacitive technology
- RoHS compliant**

Applications

Industrial:

- HVAC systems
- Process monitoring
- Climate monitoring, interior and exterior

**Medical Devices (low/medium risk):*

- Diagnostic equipment
- Analysis equipment

* 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 <http://www.bourns.com/docs/legal/disclaimer.pdf>.

**RoHS Directive 2015/863, Mar 31, 2015 and Annex.