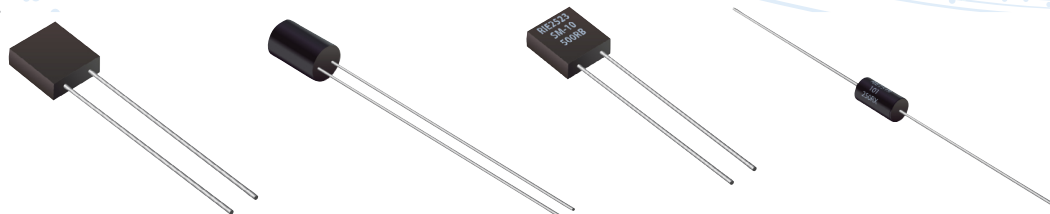




NEW PRODUCT RELEASE

RESISTORS



Bourns Releases the Riedon™ Precision Wirewound Resistors and Precision Wirewound Temperature Sensors by Bourns

1xxPC, SM8, SM10, SM/1xx and RTDW Series

Riverside, California - October 27, 2025 – Bourns is pleased to announce the introduction of the Riedon™ Precision Wirewound Resistors and Precision Wirewound Temperature Sensors by Bourns ([RTDW Series](#)). These releases enable designers to make precise current and temperature measurements for a range of applications.

The Riedon™ Precision Wirewound Resistors by Bourns ([1xxPC](#), [SM8](#), [SM10](#), [SM/1xx Series](#)) are designed with precision in mind. Offering Temperature Coefficient of Resistances (TCRs) of ± 2 PPM/°C and resistance tolerances as low as ± 0.005 %, these resistors are designed for use in current sensing in applications such as smart energy metering, Battery Energy Storage Systems (BESS), and Battery Management Systems (BMS).

The Riedon™ Precision Wirewound Temperature Sensors by Bourns (RTDW Series) achieve accurate temperature sensing results by combining a tight resistance tolerance of ± 1 % and material selection allowing for TCRs as high as ± 6000 PPM/°C. These sensors have a 0 °C to +100 °C temperature range for general use temperature sensing in applications such as Battery Energy Storage Systems (BESS) and industrial motor drives.

Features

Riedon™ Precision Wirewound Resistors by Bourns (1xxPC, SM8, SM10, SM/1xx Series):

- Formerly a Riedon™ product
- Resistance tolerances to ± 0.005 %
- Non-inductive Multi-Pi cores
- TCR to ± 2 PPM/°C
- 100 % acceptance tested / traceable to NIST
- Long term stability / 100 ppm/year
- Flame & moisture resistant protective encapsulation
- RoHS compliant*

Riedon™ Precision Wirewound Temperature Sensors by Bourns (RTDW Series):

- Formerly a Riedon™ product
- Resistance tolerances to ± 1 %
- TCR to ± 6000 PPM/°C
- Flame & moisture resistant protective encapsulation
- All welded construction
- RoHS compliant*

Applications

- Current sensing
- Temperature sensing
- Battery management systems (BMS)
- Battery Energy Storage Systems (BESS)
- Smart meters
- Industrial power supplies, inverters, and motor drives

Visit the Bourns Technical Library for application notes, white papers, and other resistor technical documents www.bourns.com/resources/technical-library/library-documents/resistors-technical-library. For further details on these exciting new models, please contact [Bourns Customer Service/Inside Sales](#).

Additional Information

[DATA SHEET](#)[PRODUCT SELECTOR](#)[TECHNICAL LIBRARY](#)[INVENTORY](#)[SAMPLES](#)[CONTACT](#)

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

"Bourns" is a registered trademark of Bourns, Inc. in the United States and other countries.

In April 2023, BE Services Company, Inc., a subsidiary of Bourns, Inc., purchased certain assets of Riedon, Inc., including its logo and trademarks and the right to continue to manufacture former Riedon™ products. The "Riedon Logo" is a registered trademark of BE Services Company, Inc. in the United States.

"Riedon" is a trademark of BE Services Company, Inc.

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