



Bourns Introduces 10 mm Incremental Potentiometers for Reliable Position Feedback

RIVERSIDE, Calif., September 14, 2026 - Bourns today announced the release of the [Bourns® PST10 Series 10 mm Incremental Potentiometers](#), a compact hollow-shaft position sensing solution designed to deliver accurate rotary position feedback, long-term reliability, and maintenance-free operation in industrial and commercial equipment. The series combines a space-saving mechanical design with contact sensing technology to help improve system durability and reduce maintenance requirements associated with conventional contact potentiometers.

The PST10 Series provides stable analog output throughout its service life while eliminating mechanical wear associated with conventional potentiometers. Its hollow-shaft configuration simplifies mechanical integration, and the compact package supports space-constrained designs. Horizontal and vertical PC board mounting configurations are available, with a standard resistance range from 1 kΩ to 5 MΩ.

“The PST10 Series expands our position sensing portfolio with a compact solution that helps customers improve reliability and reduce maintenance in applications requiring rotary position feedback,” said Javier Navarro, Product Line Manager, Sensors & Controls, Bourns. “Its contact sensing technology and hollow-shaft design simplify mechanical integration while providing consistent electrical performance over an extended operating life.”

Features

- Compact design - supports use in space-constrained equipment.
- High reliability - provides dependable operation over an extended service life.
- Mounting hole pin - supports mechanical alignment and PC board integration.
- RoHS compliant* - meets applicable RoHS requirements.

Applications

- Industrial controls - rotary input and position sensing in control equipment.
- Robotics - position feedback for rotary mechanisms.
- Factory automation equipment - reliable sensing in automated machinery.
- Motion control systems - analog rotary position information for system control.
- Human-machine interfaces (HMI) - rotary control input for operator interfaces.
- Commercial equipment - compact position sensing for space-limited assemblies.
- Position feedback applications - stable analog output for rotary position monitoring.

Key Specifications

Parameter	Specification
Contact rating	10 mA @ 5 VDC
Dielectric strength, sea level	50 VAC, 1 min.
Taper	Linear (B)
Rated power	0.15 W
Rated voltage	150 VAC - 100 VDC
Standard resistance range	1 k Ω to 5 M Ω
Operating temperature	-10 °C to +70 °C
Rotational life	10,000 cycles

Target Applications

- Energy and storage systems
- Industrial power supplies
- Inverters and motor drives
- Capacitor recharge and discharge circuits
- Voltage regulators
- Telecommunications equipment
- Powertrain, braking, and power conversion systems

Availability

The [Bourns® PST10 Series](#) is available in horizontal and vertical configurations. For additional product details, inventory, and samples, visit [Mini-Incremental Potentiometers](#) or contact [Bourns Customer Service/Inside Sales](#).

About Bourns

Bourns is the global electronic components partner for design engineers whose systems must keep working—in vehicles, aircraft, defense and navigation systems, medical devices†, data centers, satellites, consumer electronics, energy systems, and the networks that connect them. Across power, protection, sensing, timing, and thermal management, Bourns builds solutions for the demanding requirements those systems create. The family that founded Bourns in 1947 still governs the company—a stewardship that lets Bourns commit to its people, technologies, and customers for decades rather than quarters. For more information, visit bourns.com.

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