

Featured Products Bulletin

SENSORS & CONTROLS

Bourns® Sensors & Controls Product Line Releases Non-Contacting Hall Effect Sensor

Riverside, California - September 30, 2011 - Bourns® Sensors & Controls Product Line announces the release of the new Non-contacting Single-turn Hall Effect Sensor [AMS22S Series](#). The Bourns® AMS22S sensor is designed to meet the specifications of heavy-duty applications requiring long cycle life and high reliability. The AMS22S Hall Effect Position Sensor features extremely low mechanical torque with a programmable electrical angle from ten to 360 degrees.

Available in a servo mount configuration with a rotational life of up to 50 million cycles, the Bourns® AMS22S sensor is a highly versatile device. Combining high accuracy and 12 bit resolution along with a factory programmable zero position, the single turn Hall Effect sensor is a cost-effective solution for heavy-duty rotary position sensing applications.

Recommended input voltage for the AMS22S is 5 V \pm 10 %. The standard independent linearity is \pm 0.5 %, with a tighter linearity available upon request. The minimum recommended load resistance is 10k ohms with an operating temperature range from -40 °C to +125 °C.

Samples are available upon request.

Features

- Non-contacting magnetic technology
- Highly resistant to vibration/shock
- Highly resistant to fluid/dust ingress
- Programmable at factory for zero position
- Robust design for industrial applications
- Highly repeatable
- RoHS compliant*

Applications

- Patient platform positioning feedback
- Pneumatic control valve position feedback
- Marine throttle position feedback
- Camera positioning
- Geared DC servo motors
- Foot pedal, steering, lift-and-shuttle and suspension system position sensors
- Rudder positioning
- Tilt control and tilt positioning feedback