

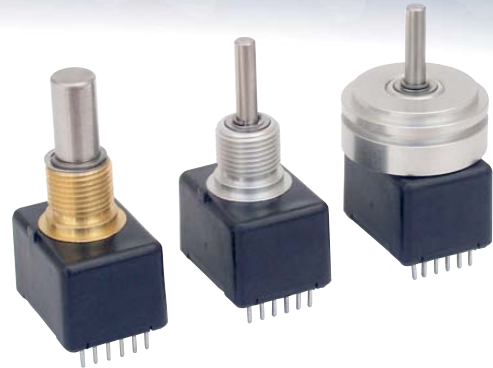


New Product Release

ENCODERS

January, 2008

Bourns Manufacturers Representatives
Corporate Distributor Product Managers
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Bourns Internal
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Sensors & Controls Division Releases New EMS22 Rotary Magnetic Encoder

Sensors & Controls Division is pleased to announce the release of the [EMS22 Rotary Magnetic Encoder](#). The EMS22 is a non-contacting rotary magnetic encoder with a Hall Effect application-specific standard product (ASSP) capable of producing four distinct output waveforms. These waveforms include a 2-bit Quadrature up to 256 PPR, a Step/Direction up to 512 PPR, a Pulse-Width Modulated (PWM) output with 1024 positions and an Absolute with 1024 positions.

Model EMS22 is available in either a 3.3 or 5.0 Vdc supply voltage and is offered in two different versions. This product has the capability to rotate up to 10,000 RPM while maintaining code accuracy, making it suitable for MMI applications such as robotics and industrial automation. Extended rotational life is achieved by utilizing dual ball bearings in the construction of the device, resulting in superior performance of up to 100,000,000 shaft revolutions.

The EMS22 non-contacting encoder is ideal for use in harsh environments where extreme levels of temperature, moisture and particles are present. The outstanding performance of this device is attributed to the non-contacting technology and superior performance of the *austriamicrosystems*® AS5040 Hall Effect ASSP. In addition, this product is sealed to IP64 with an optional upgrade to IP67.

The EMS22 is RoHS compliant* and is offered in four different configurations:

1. 1/4 " shaft diameter with single ball bearing
2. 1/8 " shaft with dual ball bearing
3. 1/8 " shaft with servo lid
4. 6 mm shaft with single ball bearing

For your convenience, you will find the distributor book prices, minimum order quantities and multiples in the attachment. The data sheet is available on the website. Feel free to contact one of our Field Applications Engineers for additional information and technical assistance.

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*RoHS Directive 2002/95/EC Jan 27 2003 including Annex.

SC0810

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Best regards,

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