Non-Contacting Rotary Position Sensors

MDT Staff

Bourns, Inc., a leading manufacturer and supplier of electronic components, today announced it has expanded its line of non-contacting rotary position sensors with two new models. Designed to help increase the product lifespan and reliability of applications that operate in rugged environments, the Bourns® Model AMS22U and Model AMM20B utilize magnetic Hall Effect (HE) technology that helps increase operational life and reliability even in harsh environments. Bourns® non-contacting rotary position sensors offer an ideal solution for applications such as patient platform position feedback, pneumatic control valve position feedback, actuator motor position feedback, lift/shuttle suspension systems, and tilt control feedback. These applications are used in a wide range of industrial, commercial, medical, and automotive applications.

“In response to evolving requirements for higher performance and product longevity for applications that must operate in harsh or rugged environments, Bourns’ new non-contacting position sensors offer a cost-effective solution that meets stringent reliability standards,” said Chuck Manzano, Application Engineer for Sensors and Controls at Bourns, Inc. “In addition, our customers are finding non-contacting sensing technology much more attractive due to its consistent performance over life and excellent performance in harsh environments resulting in reduced component replacement costs.”

The Bourns® Model AMS22U is a single-turn, non-contacting rotary position sensor that offers a rotational life of up to 100 million cycles for superior longevity and

reliability. The new sensor features a 1/8-inch shaft supported by dual ball bearings and a factory programmable electrical angle from 10 to 360 degrees.

The Bourns® Model AMM20B is a multiturn, non-contacting rotary position sensor that features a rotational life of up to 50 million cycles, depending on the product and particular application. The new sensor features a slim profile package for space constrained applications, 12-bit resolution and a factory programmable electrical angle from 1080 to 3600 degrees.

The new non-contacting rotary position sensors are available now in samples and production quantities. As a pricing reference, the Bourns® Model AMS22U is priced at $35 each in 1,000 piece quantities. The Bourns® Model AMM20B is priced at $24 each in 1,000 piece quantities. Both models are available through Bourns' distribution sales channels.

For more information, visit www.bourns.com [1].

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[1] http://www.bourns.com