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*Magnetostrictive linear-position sensor ideal for cost-sensitive applications...*

## **MTS SENSORS' RE-DESIGNED E-SERIES SENSORS PROVIDE ADVANCED TECHNOLOGY, COST-EFFECTIVE PRICING**

CARY, N.C. (September 13, 2010) –MTS Systems Corp., Sensors Division has re-designed the Temposonics® E-Series of linear-position sensors, which offers efficient and effective position measurement specifically for cost-sensitive applications. The re-design of the complete product family and addition of two new models incorporates the latest advances in magnetostrictive technology while maintaining the economical pricing for which the E Series sensor family is known. The new models will be available toward the end of 2010.

Upon its introduction, the original E-Series sensor family became a clear alternative to linear potentiometers and multiple limit switches. As a position sensor that provided performance and reliability in a small package, it became and remains an ideal solution for machine control and factory automation designers.

“We originally designed the E-Series to answer the market’s need for competitively priced linear-position measurement technology in applications where non-contact, continuous feedback is essential,” said Matt Hankinson, Marketing Manager, MTS Sensors.

“By further enhancing this proven sensor family, we can now offer advanced sensors with upgraded protection, compact housing styles and reasonable accuracy for cost-sensitive applications.”

All E-Series position sensors now provide 0.01 mm resolution and repeatability, as well as 0.03% linearity deviation at a cost-effective price point. The new E Series provides backward compatibility with the previous versions of the product family. With a rugged construction, the sensor achieves minimum IP67 ratings as well as 100g shock and 10g vibration resistance across the product family.

The new E-Series sensors feature Analog (voltage or current) and Start/Stop output. The analog model is now capable of reporting two positions simultaneously when using two position magnets. The E-Series connectivity now features widely available M12 connector cables.

Two new models are introduced with the E-Series product family to increase the range of suitable applications. A stainless-steel model EH provides a compact, rugged rod-style package with either a 7 mm or 10 mm tube. Completely new to the E Series is the EL, a low-profile version, ideal for space-critical applications because of its height of just 15 mm. The EP profile-style model can operate so that the magnet floats over the sensor's head. The rod-and-cylinder housed ER version now has improved sealing and can be installed in any orientation.

For more information about Temposonics linear-position sensors and liquid-level measurement, please contact: MTS Systems Corp., Sensors Division, 3001 Sheldon Drive, Cary, NC 27513. Phone: +1-919-677-0100, E-mail: [sensorsinfo@mts.com](mailto:sensorsinfo@mts.com) or visit <http://www.mtssensors.com>.

MTS Sensors, a division of MTS Systems Corp., is the global leader in the development and production of magnetostrictive linear-position and liquid-level sensors. MTS' Sensors Division is continually developing new ways to apply Temposonics® magnetostrictive sensing technology to solve critical applications in a variety of markets worldwide. With facilities in the U.S., Germany, Japan and China, MTS Sensors Division is an ISO 9001 certified supplier committed to providing our customers with innovative sensing products that deliver reliable, cost-effective sensing solutions.