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MTS SENSORS ADDS SSI SERIAL DIGITAL OUTPUTS TO EMBEDDABLE CORE SENSORS

Cary, N.C. (Dec. 13, 2011) – MTS Sensors Corp., Sensors Division announced it is augmenting its line of embeddable C-Series sensors to include Synchronous Serial Interface (SSI) and longer lengths. Sensor pre-production prototypes are available currently and production is scheduled to begin in the first quarter of 2012. Applications such as marine pleasure craft steer-by-wire, agricultural implements control, automotive oil change tools, 2 wheel and 4 wheel vehicle suspensions, medical care and surgical tools, and painting systems have used MTS Sensors Temposonics Core Embeddable magnetostrictive linear measurement technology. The C-Series sensors and now Model CL embeddable sensors allow manufacturers a cost reducing method of using magnetostrictive technology while retaining all the no-wear advantages of its non-contact nature.

SSI is a digital interface method whereby each clock pulse from a controller shifts out one bit of a 24 bit data word from the sensor. The SSI interface has a parity bit option and a choice of binary or Grey coded output. This new interface augments the standard 5 volt analog output. Analog can be run with a 5 volt or 12 volt supply, and the SSI operates off of 12 volts.

While the C-Series offers a 72 to 250 mm active stroke length in nine increments, the new Model CL sensors offer additional lengths up to 1500 mm in 25 mm increments. Model CL sensors are also available in 5 volt analog output and SSI. Both run off of 12 volts.

These new digital outputs offer consumer, light industrial and device designers more options for elegant, ergonomic designs without the heavy industrial packaging and bolt-on look characteristic of heavy industrial-intended magnetostrictive sensors. The sensor costs are not only competitive with other lower cost technologies, but are suitable for devices that are high volume and at the lower cost range of the automated device spectrum found in tools, desk top devices and consumer appliances.

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 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 and Japan, MTS Sensors Division is an ISO 9001-2008 certified supplier committed to providing our customers with innovative sensing products that deliver reliable, cost-effective sensing solutions.