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Magnetostrictive technology provides reliability and accuracy for cost-effectiveness...

MTS SENSORS INCREASE PRODUCTIVITY, QUALITY CONTROL IN FOOD & BEVERAGE INDUSTRY

CARY, N.C. (November 19, 2008) - MTS Systems Corp., Sensors Division's Temposonics® R-Series linear-position sensors and Level-Plus® M-Series transmitters are being incorporated into automation and control applications in the food and beverage industry due to high reliability, superior accuracy, and compatibility with smart sensor networks such as DeviceNet.

“Because poor end product quality and machine downtime are costly in this industry, our customers choose MTS Temposonics position sensors time and time again to keep their processes running at peak efficiencies,” said Matt Hankinson, marketing manager, MTS Sensors.

With the Temposonics linear position sensors' superior response and accuracy controlling the roll gap for the grain rolling process, operators realize higher machine performance and optimized product flow control. The accuracy also results in higher consistency between changeovers as well as reduced setup time. (Due to the inherent absolute positioning of magnetostrictive sensors, the need for resetting to a home position or re-calibrating is eliminated for the sensor's lifetime.)

In food and beverage applications, uptime and productivity are crucial to meeting production and packaging goals, and because Temposonics position sensors are non-

contact, they provide wear-free measurement for the highest level of repeatability and long-term stability. This robustness makes them ideal for food processing applications that require continuous production cycles.

The SSI output of the R-Series sensor product is fast, with an optional data update rate of 250 msec suitable for high-speed positioning applications in processing equipment. A DeviceNet output is available for integration with device-level sensor bus networks to reduce complexity and cost. The “smart” sensor technology enables lower-cost distributed control with improved diagnostics for better productivity.

Reliable liquid-level sensing is critical for beverage inventory control and filling applications. For example, MTS sensors are used for accurate inventory control at several U.S. distilleries for reporting production volumes in order to correctly calculate taxes. Level-Plus® transmitters are also used in bottle filling applications due to the combination of performance and 3-A sanitary rating. One key advantage that has allowed Level Plus transmitters to excel in food and beverage applications is the ability to report two liquid levels from the same transmitter and with this feature users are able to measure both the alcohol and water content of a storage tank.

For more information on Temposonics Sensors, please contact: MTS Systems Corp, Sensors Division, 3001 Sheldon Drive, Cary, NC 27513. Phone: (919) 677-0100. E-mail: info@mtssensors.com or visit their web site at <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. Based on MTS’ patented Temposonics® technology, the Sensors Division is continually developing new ways to apply 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 certified supplier committed to providing innovative sensing solutions that deliver customers with reliable, cost effective sensing devices.

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