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*Level Plus® transmitters provide continuous level measurement...*

**MTS SENSORS LEVEL PLUS® TRANSMITTERS  
PROVIDES ACCURACY, REPEATABILITY IN  
BIO WASTE TANK APPLICATIONS**

CARY, N.C. (March 27, 2008) — MTS Systems Corp. Sensors Division's M-Series Level Plus® liquid-level transmitters are now being used in bio waste tank applications in the pharmaceutical industry. Unlike radar, the magnetostrictive sensors' accuracy is not compromised by the foaming found in the tanks, providing fool-proof, continuous measurement that eliminates both damaged tank equipment and allows for more efficient pick-up and transport of waste.

“In this application, foaming can interfere with the liquid-level measurement if the technology cannot differentiate between liquid and foam,” said Lee Aiken, product marketing manager, MTS Sensors. “With the M-Series transmitters, the float is weighted to pass through the foam and sit on the liquid, so the user will always know when a tank needs to be emptied.”

The M-Series transmitters provide product level, leakage detection and temperature data all from one sensor, so there is no need for multiple openings at the top of the tank. Requiring no calibration for the life of the transmitter and maintaining

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accuracy regardless of temperature changes in the vessel, the magnetostrictive transmitter provides the most accurate and reliable measurements available. MTS liquid-level transmitters are designed for easy installation and low maintenance, and non-contact, liquid-level sensing is achieved with absolutely no wear to the sensing components.

The Level Plus M-Series line of liquid level transmitters includes the MG, MR, MC420, and the USTDII. Each transmitter utilizes Temposonics® technology to provide the superior accuracy despite changing environmental conditions such as pressure, temperature, gas layering, foam, or dielectric constant.

The MG and MR transmitters monitor the product, interface, and temperature all from a single process opening. Both are I.S.- and XP-approved. The MG's output can be either Modbus or DDA, a proprietary ASCII-based protocol. The Modbus protocol also provides volume measurement with the usage of up to 100-point strapping tables and temperature correction according to API standards. The output for the MR is one or two 4-20 mA loops with HART.

The MG and MR are available in lengths up to 300 inches in a rigid stainless steel pipe or with 3A-approved sanitary pipes. Both are also available in a stainless steel flexible hose, up to 480 inches long for the MR and up to 720 inches long for the MG. The MC420 is an economical solution for customers needing a 4-20 mA analog transmitter with HART. The USTDII is targeted at the underground storage market with its ability to output product, interface, and temperature. It is available with the DDA output in lengths to 149 inches. Both the MC420 and the USTDII have received I.S. approval. For more information on MTS Sensors and level sensing, please contact: Lee Aiken, MTS Sensors Division, 3001 Sheldon Drive, Cary, NC 27513. Phone: (919) 677- 2373. E-mail: [lee.aiken@mts.com](mailto:lee.aiken@mts.com) or visit [www.mtssensors.com](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

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### **MTS SENSORS IN BIO WASTE TANK APPS, P. 3**

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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