



**MTS Systems Corporation**  
Sensors Division  
3001 Sheldon Drive  
Cary, NC 27513  
Phone: +1-919-677-0100 / Fax: +1-919-677-2343

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***For More Information, Contact:***  
***Lee Aiken***  
***MTS Sensors Division***  
***Level Plus Marketing Manager***  
***Tel: +1-919-677-2373***  
***e-mail: [lee.aiken@mts.com](mailto:lee.aiken@mts.com)***  
***<http://www.mtssensors.com>***

## **MTS SENSORS EXPANDS LEVEL PLUS® FAMILY WITH 90-DEGREE ELECTRONIC MOUNT OPTION**

CARY, NC (January 11, 2011) - MTS Sensors has developed a 90-degree electronic mounting option for the Level Plus® Model MR and MG liquid-level transmitters. The 90-degree electronic mounting option is designed to relocate the single-cavity, explosion-proof housing from directly on top of the standard industrial pipe to being offset from the pipe at 90 degrees. This new mounting option creates a smaller footprint for the electronic housing which allows it to be installed into smaller places without the need to bend the pipe and degrade the level transmitter.

“The introduction of the 90-degree electronic mounting option allows MTS to further meet the needs of our customers without sacrificing performance,” said Lee Aiken, product marketing manager at MTS Sensors. “By not bending the pipe, MTS can add this option without degrading the accuracy or maximum length of our level transmitters.”

One specific application where the 90-degree electronic mounting option is needed is for magnetic level gauges (MLG) that have both a top and bottom flange. For a MLG with only a bottom flange the electronic housing is allowed to pass the top of the chamber in order to keep the full measurement range. For a MLG with a bottom and top flange the electronic housing must stay below the top flange, which effectively reduces the measurement range of the level transmitter attached to the MLG. By adding the 90-degree electronic mounting option, the electronic housing is rotated away from the MLG and allows for an additional four inches (104 mm) of measurement between the two flanges.

The model MR analog transmitter offers unsurpassed flexibility to meet most process application conditions ranging from 508 mm (20 in) to 12,192 mm (480 in). Up to two 4 to 20mA loops are available for analog indication of level, interface, and/or temperature and HART® Communication allows the MR sensor to indicate and display all three measurement variables simultaneously.

The Model MG level transmitter satisfies the demand for a digital communication interface in the liquid-level marketplace for vessels from 508 mm (20 in.) to 22,000 mm (866 in.). Outputs for the Model MG include Modbus, DDA (proprietary ASCII protocol), and FOUNDATION™ Fieldbus. The Model MG transmitter features 3-in-1 measurement of the product level, interface level, and the average temperature for up to 12 temperature points while utilizing a single process opening, thus eliminating the need for a separate level and temperature transmitter. Designed for inventory control, the Model MG is accurate to at least 1/16th of an inch and also provides volume measurement from a 100-point strap table that the user loads into the transmitter. By incorporating the strap table into the transmitter, the user does not need multiple copies of the strap table or to code the additional formulas.

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.