



**MTS Systems Corporation**  
Sensors Division  
3001 Sheldon Drive  
Cary, NC 27513  
Phone 919-677-0100, Fax 919-677-0200

**FOR IMMEDIATE RELEASE**  
**April 5, 2007 MT660**



*For More Information Contact:*  
**Drew Smedley**  
**Director of Global Marketing**  
**919-677-0100**  
**[drew.smedley@mts.com](mailto:drew.smedley@mts.com)**

**Patricia Staino**  
**BtB Marketing**  
**919-872-8172**  
**[patricia@btbmarketing.com](mailto:patricia@btbmarketing.com)**

*Mobile hydraulic sensor technology for reliable, non-contact operation...*

## **MTS DEVELOPS SMALLER MOBILE HYDRAULIC SENSOR FOR EMBEDDED CYLINDER APPLICATIONS**

CARY, NC – (April 5, 2007) — MTS Systems Corp., Sensors Division has built upon its proven mobile hydraulic position sensor technology with the development of a smaller sensor to enable even more hydraulic cylinder applications. Designated the MS Series, the proven Temposonics® technology is designed into a 28mm diameter housing for welded and tie-rod compact cylinder (38mm) applications.

“Our customers found our MH sensor to be extremely durable when installed inside the hydraulic cylinder, even in harsh conditions, and we had requests for a smaller sensor to expand the application possibilities,” said Drew Smedley, director of global marketing for MTS Sensors. “The MS sensor is an absolute position, non-contact linear sensor in a compact 28mm design.”

The mechanics of the sensor are completely compatible with the existing design for embedded, in-cylinder applications.

-more-

## MTS DEVELOPS SMALLER MOBILE HYDRAULIC SENSOR, PAGE 2

With a 100g shock and 15g vibration rating, the MS sensor was designed for rugged environments, especially those typically encountered in construction, agriculture, and other off-highway machinery. It is fully sealed and embedded in a cylinder for long life.

The MS sensor consists of a redesigned sensor head with rugged housing and built-in electronics, a pressure-proof sensor pipe that protects the internal sensing element, and a position magnet. Along with high shock and vibration ratings, the sensor has 100V/m EMI protection.

Designed for cylinders 38mm in diameter (or larger), the MS sensor provides a measuring range of two to 78 inches (50-2000mm), doubling the available stroke length, while maintaining high levels of accuracy and repeatability.

The MS sensor provides a variety of position output options: 0 to 5V, 0.25 to 4.75V, 0 to 20mA, 4 to 20mA, or PWM. The MS sensor operates from -40 to +105°C, and can be purchased with either individual wire or cable connection options that are compatible with typical mobile equipment electrical connector requirements.

For more information on the MTS Sensors Group and mobile hydraulic position sensing, please contact: Drew Smedley, MTS Sensors Division, 3001 Sheldon Drive, Cary, NC 27513; call (919) 677-0100; email [drew.smedley@mts.com](mailto:drew.smedley@mts.com); or visit [www.mtssensors.com](http://www.mtssensors.com).

MTS Systems Corporation is the world leader in magnetostrictive linear-position and liquid-level sensor technology. MTS Systems Corporation is a global operation, with facilities in the U.S., Germany and Japan. In the U.S., the MTS Sensors Division has an ISO 9001 facility manufacturing rugged and reliable liquid-level and linear position sensors based on patented MTS Temposonics® technology. With a strong commitment to research and development, product quality and customer service, the Sensors Division is constantly seeking ways to bring the highest value to customers.

###