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Enhanced MH position sensor is first in new line of solutions...

MTS SENSORS INTRODUCES FAMILY OF MOBILE HYDRAULIC CYLINDER POSITION SENSORS

LAS VEGAS – CONEXPO/IFPE Booth #S13731 (March 15, 2005) — Building on the success of its Temposonics® MH position sensor, MTS Sensors is introducing a comprehensive line of mobile hydraulic position sensors. Beginning with an enhanced version of the existing MH sensor, the M-Series sensors family will also include solutions designed for smaller diameter cylinders (>1.5 in. / 32mm), and a new sensor for applications requiring extended performance and features, such as programmable velocity outputs. The M-Series sensors family will allow a broader array of on- and off-highway machinery to capitalize on the increased reliability and reduction in service costs realized from the use of Temposonics linear-position sensors.

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“The performance and reliability of our MH position sensors have proven that modern sensor technology can be adapted to the rugged world of Mobile Hydraulics,” said Drew Smedley, Director of Global Marketing for MTS Sensors Division. “By offering an entire family of sensors for mobile equipment applications, machine OEMs and cylinder suppliers now have additional options for position and velocity feedback, allowing them to further optimize the cost and performance of their next generation machines.”

First in the family of mobile hydraulic position sensors, the MH sensor has been enhanced with a number of new features. Designed for 2 in. diameter (50mm) cylinders (or larger), the MH sensor now provides a measuring range of 2-78 in. (50-2000mm), doubling the available stroke length, while maintaining high levels of accuracy and repeatability.

The new MH sensor provides 3 position output options: 0-5V, 4-20mA, or PWM (16 recirculations). It also is available with a simultaneous velocity output for more precise closed loop control capability. The MH 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.

The M-Series sensor family is designed for “embedded” application inside hydraulic cylinders creating minimal impact on the cylinder installed envelope. Unlike other technologies and products, the M-Series sensors are specifically designed and tested to the stringent shock, vibration and electromagnetic immunity specifications of the on- and off-highway machine industries. M-Series sensors meet ISO14982 Standards for Agricultural and Forest machines, ISO7637-0/1/2 Standards for road vehicles, and are CE Certified.

For more information on the MTS Sensors Group and mobile hydraulic position sensing, please contact: Fred Emanie, MTS Sensors Division, 3001 Sheldon Drive, Cary, NC 27513. Phone: (919) 677-0100. E-mail: fred.emanie@mts.com or visit www.mtssensors.com.

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MTS Sensors is the world leader in magnetostrictive technology. MTS Sensors is a global operation, with facilities in the U.S., Germany and Japan. In the U.S., the MTS Sensors Division has an ISO 9001/2000 facility manufacturing rugged and reliable magnetostrictive position sensors, level sensors, and mobile equipment sensors utilizing patented 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.

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