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## **New Temposonics MH-Series Railway sensor targets rail market**

CARY, N.C. (March 20, 2018) – MTS Sensors, a division of MTS Systems Corporation (NASDAQ: MTSC), today announced that the Temposonics MH-Series Railway sensor (MHRM) is available to the market. The sensor is designed for tilt and suspension control of bogies or pantograph displacement position control on electric commuter, light rail and high speed trains. MH-Series Railway’s launch brings proprietary Temposonics technology to the rail industry on a commercial level, providing the market with a cost-efficient position sensor.

MTS’s MHRM Sensor meets requirements for PCB coating, shock, vibration and EMC according to EN 50155. The new product is available for embedded or threaded installation and provides shock resistance according to EN 61373 Cat2 (Bogie) and Cat3 (Axle) and vibration resistance according to IEC 60068-2-64-Fn Cat3 (Axle)

“With the new Temposonics MH-Series Railway Sensor, our customers now have a product that does not require a separate protected power supply to utilize MTS Temposonics linear position sensing,” explains Luka Korzeniowski, Global Market Segment Leader for Mobile Hydraulics at MTS Sensors. Korzeniowski continued “We’ve been working with our customers on their electrical and environmental needs to address the Rail market specifically.”

The Temposonics MH-Series Railway position sensors have a measurable stroke range from 50 mm up to 2500 mm with Analog voltage and current outputs. The threaded sensor has a highly robust stainless steel housing and is water- and dustproof according to IP69K. The M12 connector system used on both the threaded and embedded installations is rated at IP69K.

The proprietary Temposonics magnetostrictive technology utilized by MH-Series sensors means that these devices are not vulnerable to vibration, shock, dust and electro-magnetic interference. As a result, they can be deployed in the most difficult of application settings—maintaining elevated levels of accuracy without risk of downtime or subsequent loss of productivity being witnessed.

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## **ABOUT MTS SENSORS**

MTS Sensors, a division of MTS Systems Corporation (NASDAQ: MTSC), is the pioneer of Temposonics® magnetostrictive technology and a worldwide manufacturer of non-contact linear position sensors and liquid level transmitters that enable reliable feedback control for automation and safety applications. In July 2016, MTS Systems Corporation (Eden Prairie, MN, USA) acquired PCB Piezotronics, Inc. (Depew, NY, USA), vastly expanding the range of products and solutions of MTS Sensors. PCB® is a designer, manufacturer, and global supplier of accelerometers, microphones, force, torque, load, strain, and pressure sensors, as well as the pioneer of ICP® technology (Integrated Circuit Piezoelectric). In addition to enhanced product portfolio, the combination of two organizations increases research, development and production capabilities worldwide. Temposonics® and PCB® sensors are used in research/development and machinery health monitoring applications, off-highway equipment, liquid level measurement and other industries to improve product performance and reduce operational downtime. Visit MTS Sensors at [www.mtssensors.com](http://www.mtssensors.com) and PCB Piezotronics, Inc. at [www.pcb.com](http://www.pcb.com). Additional information on MTS can be found at [www.mts.com](http://www.mts.com).