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Temposonics® T-Series sensors now with SSI output

CARY, N.C. (December 13, 2017) – MTS Sensors, a division of MTS Systems Corporation (NASDAQ: MTSC), today announced that the output range of the Temposonics® T-Series has been extended by adding an SSI output. The extension is also conforming to the NEC standards 500, 505 and 506, as well as CEC, ATEX, IECEx, and certificates for the Russian and Japanese markets.

The output addition to the position sensors allows for greater functionality. The SSI output is now available and has the advantage that in addition to the position data, digital information can be transmitted precisely up to 0.5 µm. This means that status information can be observed during operation and, in case of a failure, comprehensive diagnosis capability is available.

The magnetostrictive linear position sensors of the T-Series have been developed for use in hazardous working environments, such as those that expose the sensor to flames or corrosive substances. The growing demand for sensor solutions which meet the requirements for explosion protection and functional safety are typically sought after by engineers in the power generation, oil processing, and chemical processing industries.

The position sensors with SSI output also carry ATEX and IECEx certifications, are NEC and CEC certified, and have Ex-certificates, which apply to the Russian (EAC Ex) and Japanese market (certified by CML, the overseas certification equivalent to TIIS). Therefore these can be applied in the safety-relevant areas of Classes I, II, III - Divisions 1, 2 - Groups A, B, C, D, E, F, G, as well as in the Zones 0/1, 21 and 22.

The patented Temposonics® technology developed by MTS provides an extremely accurate non-contact method for measuring position which is suited to use in the most demanding of modern industrial applications. Based on this technology, Temposonics® sensors are highly resilient to vibrations, shock, and extreme pressure. Since these sensors are not reliant on moving parts, they have prolonged operational lifespans, with little or no maintenance required. Furthermore, they can be mounted within even the most space constrained surroundings.

"We are very pleased that we are now, thanks to the new Ex-certificates, able to offer our customers the T-Series sensors in the Russian and Japanese regions," explains Dr. Olaf Kissing, Product Manager at MTS Sensors. "From a global point of view, the new certificates and the three outputs CANbus, SSI, and Analog mean that even more customers are now able to integrate the T-Series position sensors into their automation processes in hazardous applications and areas."

For more information, please contact: MTS Systems Corp, Sensors Division, 3001 Sheldon Drive, Cary, NC 27513. Phone: (919) 677-0100. E-mail: **sensorsinfo@mts.com** or visit their website at **www.mtssensors.com.**

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** and PCB Piezotronics, Inc. at **www.pcb.com**. Additional information on MTS can be found at **www.mts.com**.