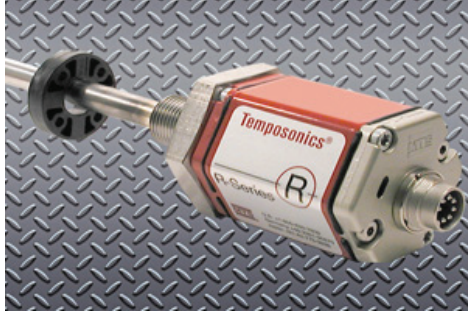




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*Magnetostrictive technology offers resistance to high shock and vibration...*

## MTS SENSORS' LINEAR POSITION SENSORS PROVIDE RELIABILITY, ACCURACY IN DIE CASTING

ST. LOUIS, M.O. (May 4, 2009) - MTS Systems Corp., Sensors Division's Temposonics® linear-position sensors provide high accuracy and rugged, reliable construction for the harsh environment of die-casting applications. The magnetostrictive sensors provide position feedback of the ram used to force metal into the mold, a function that requires a high performance sensor that combines long-term durability and repeatability. Most customers choose the MTS sensors for this application because they need a solution that offers high resolution while performing under high vibration and shock loads.

“The high resolution and responsiveness of MTS' linear position sensors contribute to the machinery's overall productivity by allowing shorter cycle times, faster change-over and minimal maintenance,” said Temposonics Marketing Manager, Matt Hankinson.

One of the harshest applications in which the Temposonics sensors are implemented, die-casting equipment demands high-quality parts that ensure quality and consistency

## MTS SENSORS ARE DURABLE, ACCURATE IN DIE CASTING, PAGE 2

in production of end product. The MTS linear position sensors are favored not just for their high resolution, but also because they provide additional feedback variables such as velocity; rugged construction that results in greater productivity due to reduced maintenance and downtime; and a higher temperature tolerance that reduces the need for special installations (higher machine design costs).

Temposonics hydraulic-style sensors are pre-configured at the factory by model code designation. For most applications, no adjustments are required for sensor installation and operation, but if sensor parameters need to be changed on-site, the sensors are easy to program using one of three options - handheld or cabinet-mounted pushbutton programmers or PC software programming kits depending on the user's needs.

By optimizing machine performance, MTS' magnetostrictive linear position sensors offer superior accuracy with higher consistency between changeovers and reduced setup time; precise and repeatable positioning for smoother, more controlled motion; and improved efficiency, yield, and throughput while maintaining quality.

Some machines use encoders for measurement, which make them much more fragile and vulnerable under harsh operating conditions. The magnetostrictive technology employed by MTS Temposonics sensors eliminates wear and guarantees the best durability and output repeatability.

MTS' R-Series and G-Series analog sensors are ideal for die-casting applications.

The R-Series sensor is a rugged industrial sensor that provides linear, absolute measurement and non-contact sensing technology in a variety of high performance outputs such as SSI, Profibus, and EtherCAT. With non-linearity less than 0.01% and repeatability within 0.001%, these sensors are ideal for applications that require accuracy, reliability and consistency.

**MTS SENSORS ARE DURABLE, ACCURATE IN DIE CASTING, PAGE 3**

The G-Series provides rugged, accurate measurements with either analog or digital outputs, and is designed for backwards compatibility with legacy Temposonics products.

For more information on Temposonics Sensors, please contact: MTS Systems Corp, Sensors Division, 3001 Sheldon Drive, Cary, NC 27513. Phone: (919) 677-0100. E-mail: [info@mtssensors.com](mailto:info@mtssensors.com) or visit their web site at <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. Based on MTS' patented Temposonics® technology, the Sensors Division is continually developing new ways to apply magnetostrictive sensing technology to solve critical applications in a variety of markets worldwide. With facilities in the U.S., Germany and Japan, MTS Sensors Division is an ISO 9001 certified supplier committed to providing innovative sensing solutions that deliver customers with reliable, cost effective sensing devices.

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