

# Temposonics®

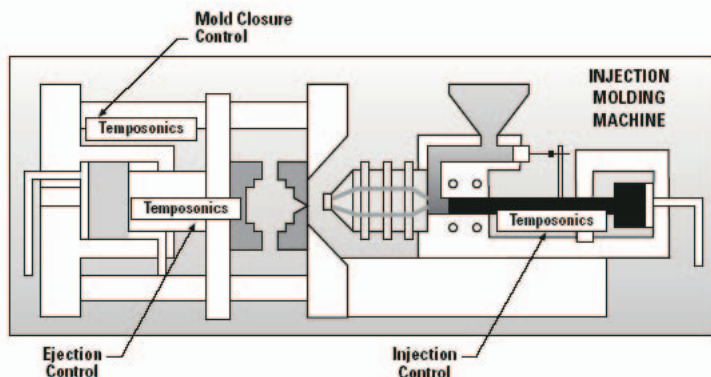
Magnetostrictive Linear-Position Sensors



Injection Molding

550848 B

## Application Idea



### Overview (continued)

Our sensing technology is routinely used on 4 axes of plastic injection molding machines: injector screw positioning, carriage positioning, ejector positioning, and mold closure. Superior ruggedness, reliability and performance means Temposonics sensors provide the best value for this application. In addition, enhanced features like multiple position, velocity outputs or programmability help to save costs due to sensor requirements as well as setup and maintenance.

### Overview

**Application:** Position feedback to control the amount of injection, mold closure and part ejection on injection molding machines.

**Benefits:**

- Superior response and accuracy result in higher machine performance, part quality and reduced cycle time.
- Rugged, reliable shock and vibration tolerant sensor construction result in reduced maintenance and down time.

**Benefits (cont.):**

- Superior Electromagnetic Interference (EMI) and noise immunity ensure a wide range of use in varied system designs.
- Simultaneous multiple position sensing capability reduces total number of sensors required.
- All of the above mean a lower overall sensor cost requirement over the life of the machine.
- Fieldbus interfaces enable use in distributed control architectures.

**Sensors Used:**

- Temposonics EP, G and R-Series (both rod and profile style) sensor models.

All specifications are subject to change. Please contact MTS for specifications that are critical to your needs.

**Part Number: 08-05 550848 Revision B**  
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All Temposonics sensors are covered by US patent number 5,545,984.  
Additional patents are pending.  
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