

# Temposonics®

Magnetostrictive Linear-Position Sensors



Motion Platforms for Entertainment

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## Application Idea



MTS brings its lengthy background in materials and aircraft motion platforms to the rapidly growing area of entertainment motion simulation. Here, the precision and responsiveness afforded by our Temposonics position sensors means smoother, higher fidelity motion which provide a more realistic "feel" in these applications. Also, due to our highly reliable design, users can count on lower operating costs without sacrificing passenger safety.

### Overview

**Application:** Position feedback of audience seat movement for coordination with video display.

**Benefits:**

- Superior response and accuracy result in higher simulated motion fidelity.
- High shock and vibration tolerance and superior EMI and noise immunity ensure trouble free operation.
- Replaceable sensing element eliminates the need to drop hydraulic pressure or break the hydraulic seal (sensor models GH and RH).
- Compact sensing electronics available for short installation envelopes (sensor models LD and RD).
- Simultaneous position and velocity outputs enable high performance servohydraulic positioning.

**Sensors Used:** • Temposonics LD, GH and RH (rod style) sensors.

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

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