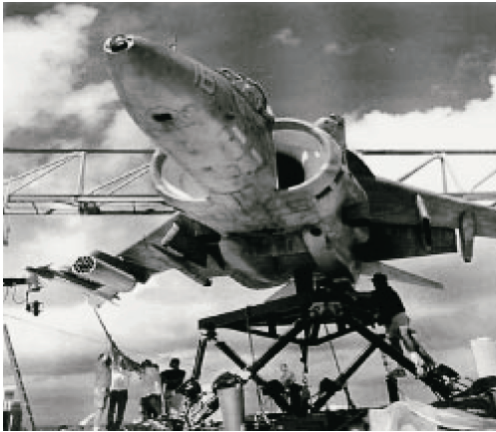


Application Idea



These longer stroke length applications are a natural fit for MTS Temposonics position sensors. In this industry, it is imperative that the motion simulator reacts to the training pilot's inputs so there is little difference between the cockpit motion and that of an actual aircraft. This can only be achieved with the highest precision and responsiveness provided by Temposonics sensors. Another frequent requirement of this application is the ability to sense absolute velocity. Our sensors can provide both position and velocity within the same sensor.

Overview

Application: Position feedback for pilot training simulators.

- Benefits:**
- Superior position feedback from highly accurate, continuous, absolute output.
 - 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 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 enables 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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All Temposonics sensors are covered by US patent number 5,545,984.
Additional patents are pending.
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