

Temposonics®

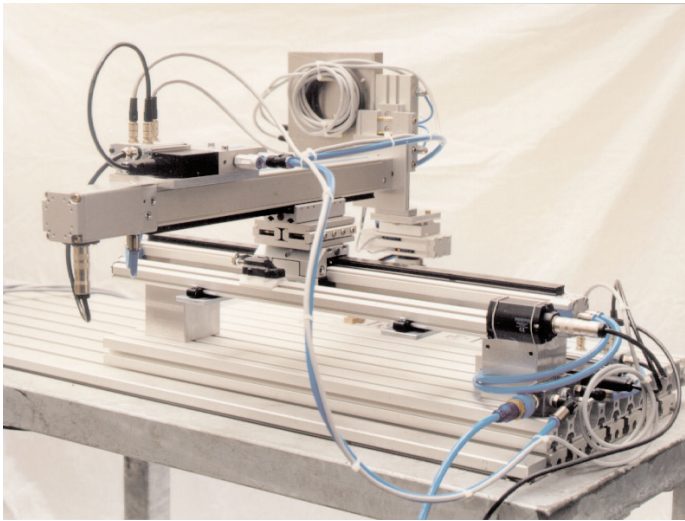
Magnetostrictive Linear-Position Sensors



Pneumatic Cylinders

550858 B

Application Idea



High performance and durability have made Temposonics the in-cylinder position sensor standard in the fluid power industry since their introduction in 1975. In an extremely cost competitive industry, customers recognize the value of our superior noncontacting, shock and vibration and EMI immune sensors over that of linear potentiometers. In recent years, MTS has supported pneumatic cylinder manufacturers in the development of servopneumatic control solutions. In these types of applications we can provide the right combination of performance and outputs like position and velocity.

Overview

Application:	Position feedback for control or indication of pneumatic cylinder position.
Benefits:	<ul style="list-style-type: none">• Fast and easier setup unlike mechanical limit switches.• Superior position feedback from highly accurate, continuous, absolute output.• High shock and vibration tolerance and superior EMI and noise immunity ensure trouble free operation.• Simultaneous position and velocity outputs useful for servo-type feedback control.• Fieldbus interfaces enable use in distributed control architectures.
Sensors Used:	<ul style="list-style-type: none">• Temposonics 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 550858 Revision B
MTS and Temposonics are registered trademarks of MTS Systems Corporation.
All other trademarks are the property of their respective owners.
All Temposonics sensors are covered by US patent number 5,545,984.
Additional patents are pending.
Printed in USA. Copyright © 2005 MTS Systems Corporation. All Rights Reserved.

UNITED STATES
MTS Systems Corporation
Sensors Division
3001 Sheldon Drive
Cary, NC 27513
Tel: (800) 633-7609
Fax: (919) 677-0200
(800) 498-4442
www.mtssensors.com
sensorsinfo@mts.com

GERMANY
MTS Sensor Technologie
GmbH & Co. KG
Auf dem Schüffel 9
D - 58513 Lüdenscheid
Tel: +49 / 23 51 / 95 87-0
Fax: +49 / 23 51 / 56 491
www.mtssensor.de
info@mtssensor.de

JAPAN
MTS Sensors Technology
Corporation
Ushikubo Bldg.
737 Aihara-cho, Machida-shi
Tokyo 194-0211, Japan
Tel: +81 (42) 775 / 3838
Fax: +81 (42) 775 / 5512
www.mtssensor.co.jp
info@mtssensor.co.jp