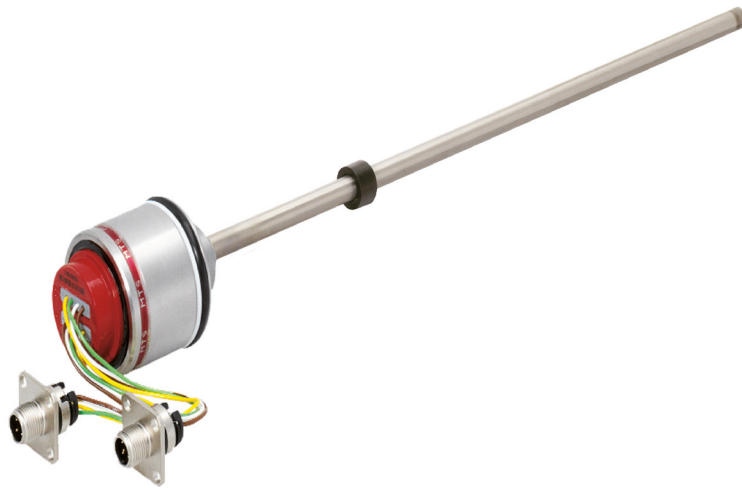


Product Brief

MH-Series MT

Magnetostrictive Linear Position Sensors



Model MT Sensor

Redundant sensor designed for in-cylinder position feedback in off-highway equipment.

MT Features and Benefits:

Redundant.

The Model MT sensor provides two electrically redundant analog outputs.

Rugged.

Designed to be embedded in 2" bore cylinders or larger and withstand the roughest off-highway applications up to 100g shock and 15g vibration levels.

Reliable.

Utilizing Temposonics® absolute, non-contact technology – a stable output can be provided under the harshest EMI conditions.

Repeatable.

Provides industry leading repeatability to support critical control functions.

M12 Connection System.

This IP69K connector system simplifies installation and eliminates miswiring, while providing sealing and protection from high pressure spray.

Flexible.

Capability to measure a range from 50 to 1500 mm with Analog output.

Sensor options

Output Style	Output Range	Measurement Range	Connection Type	Input Voltage
Voltage	0.25 - 4.75 V 0.5 - 4.5 V	50 - 1500 mm	M12 Single wires	12/24 V
Current	4 - 20 mA			

*See configuration guide to determine orderable part number.

Sensor dimension references

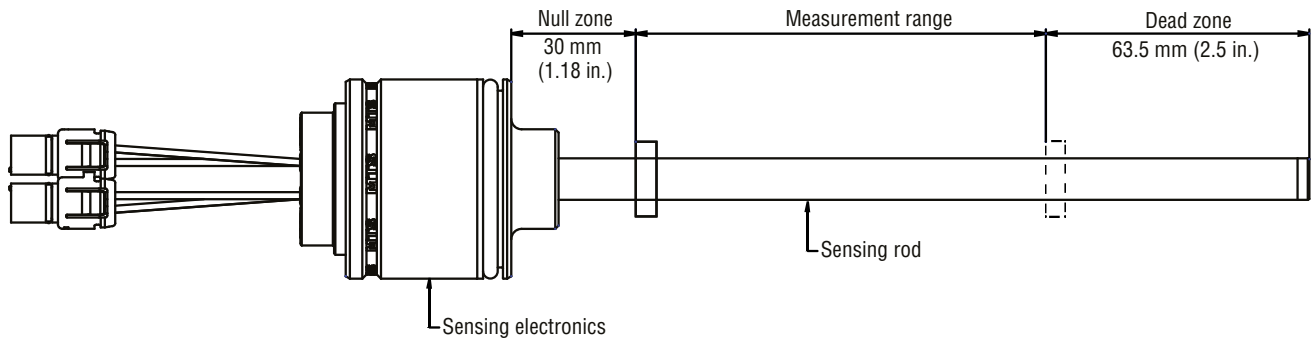


Figure 1. Model MT rod-style sensor dimension reference

Additional Components and Accessories

Magnets and the Analog/PWM tester must be ordered separately. Refer to the table below for ordering information.

Magnet selections	Part no.
Ring magnet, O.D. 17.4 mm (0.68 in.)	401032
Ring magnet, O.D. 25.4 mm (0.99 in.)	400533
Ring magnet, O.D. 33 mm (1.29 in.)	201542-2
Magnet spacer (for use with 201542-2)	400633

Optional accessories	Part no.
Analog/PWM Tester	280618

M12 Flange Selections	Part no.
M12 with flexible mounting (8 orientations)	253769
M12 with fixed mounting (1 orientation)	254381

Document Part Number:

551507 Revision A (EN) 01/2014

temposonics.com

UNITED STATES

Temposonics, LLC
Phone: +1 919 677-0100
E-Mail: info.us@temposonics.com

GERMANY

Temposonics GmbH & Co. KG
Phone: +49 2351 9587-0
E-Mail: info.de@temposonics.com

ITALY

Branch Office
Phone: +39 030 988 3819
E-Mail: info.it@temposonics.com

FRANCE

Branch Office
Phone: +33 614 060 728
E-Mail: info.fr@temposonics.com

UK

Branch Office
Phone: +44 79 21 83 05 86
E-Mail: info.uk@temposonics.com

SCANDINAVIA

Branch Office
Phone: +46 70 29 91 281
E-mail: info.sca@temposonics.com

CHINA

Branch Office
Phone: +86 21 2415 1000 / 2415 1001
E-Mail: info.cn@temposonics.com

JAPAN

Branch Office
Phone: +81 3 6416 1063
E-Mail: info.jp@temposonics.com