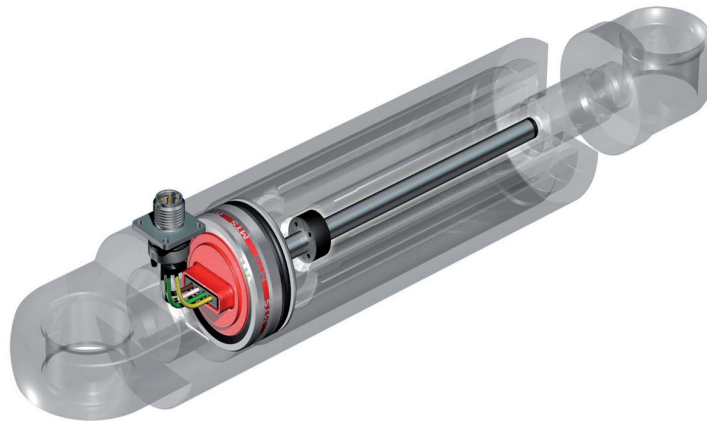


Temposonics®

Absolute, Non-contact Position Sensors

MH-Series
Model MH Safety

Product Focus



Model MH Safety Sensor

Safety rated solution for in-cylinder position feedback in off-highway equipment.

MH Safety Features and Benefits:

Safety.

Designed for safety-related applications that require support for functional safety and performance to support machine level safety requirements of SIL2 and Performance Level d.

Rugged.

Designed to be embedded in 2" bore cylinders or larger and withstand the roughest off-highway applications up to 100g shock and 20g 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 2500 mm (2 to 98 in.) with multiple outputs including Analog and CANopen Safety.

MTS Sensors Division

MTS Sensors, a division of MTS Systems Corporation, is the global leader in the development and production of linear-position and liquid-level sensors. Based on MTS' Temposonics® technology, the Sensors Division is continually developing new ways to apply sensing technology to solve critical applications in a variety of markets worldwide. With facilities in the United States, Germany, Japan and China, MTS Sensors Division is an ISO 9001-2008 certified supplier committed to providing innovative sensing solutions.

Services and Support

MTS has a dedicated product support team who are experts with the off-highway market. Contact them today to review your application.

Call: 1-800-633-7609 / email: sensorsinfo@mts.com

Two-year Warranty

The Model MH Safety sensor provides an industry leading warranty that covers the product for up to two years.

Sensor options

Output Style	Output Range	Measurement Range	Connection Type	Input Voltage
Analog	0.5 - 4.5 V	50 - 2500 mm (2 - 98")	M12	12/24
Current	4 - 20 mA			
Digital	CANopen Safety			

*See configuration guide to determine orderable part number.

Sensor dimension references

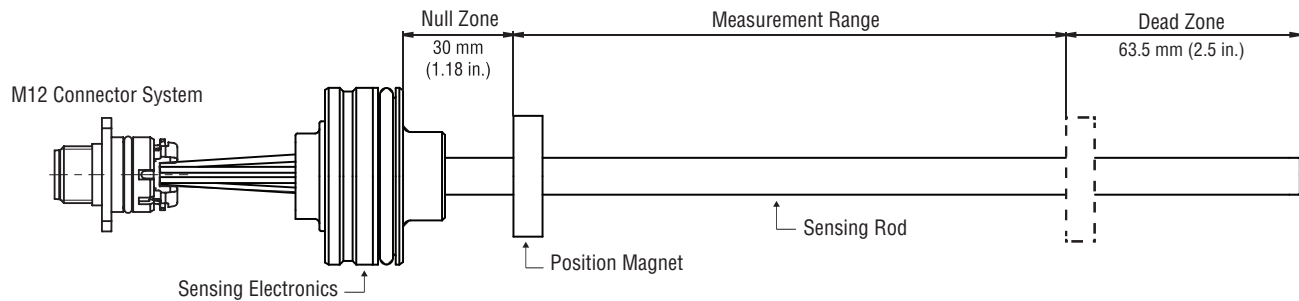


Figure 1. Model MH rod-style sensor dimension reference

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

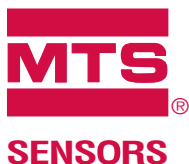
M12 Flange Selections	Part no.
M12 with flexible mounting (8 orientations)	253769
M12 with fixed mounting (1 orientation)	254381

Optional accessories	Part no.
Analog/PWM Tester	280618
CAN Tester	253879

For more information, please visit:
MTSSensors.com/MH

Document Part Number: 551506, Revision A, 03/14

MTS and Temposonics are registered trademarks of MTS Systems Corporation.
All other trademarks are the property of their respective owners.
Printed in USA. Copyright © 2014 MTS Systems Corporation. All Rights Reserved in all media.



MTS Systems Corporation Sensors Division

3001 Sheldon Drive
Cary, North Carolina
27513, USA
Tel.: +1-800-633-7609
Fax: +1-919-677-2343
+1-800-498-4442
e-mail: sensorsinfo@mts.com
http://www.mtssensors.com

MTS Sensor Technologie GmbH & Co. KG

Auf dem Schüffel 9
D - 58513 Lüdenscheid, Germany
Tel.: +49-2351-9587-0
Fax: +49-2351-56491
e-mail: info@mtssensor.de
http://www.mtssensor.de

MTS Sensors Technology Corporation

737 Aihara-cho, Machida-shi
Tokyo 194-0211, Japan
Tel.: +81-42-775-3838
Fax: +81-42-775-5516
e-mail: info@mtssensor.co.jp
http://www.mtssensor.co.jp