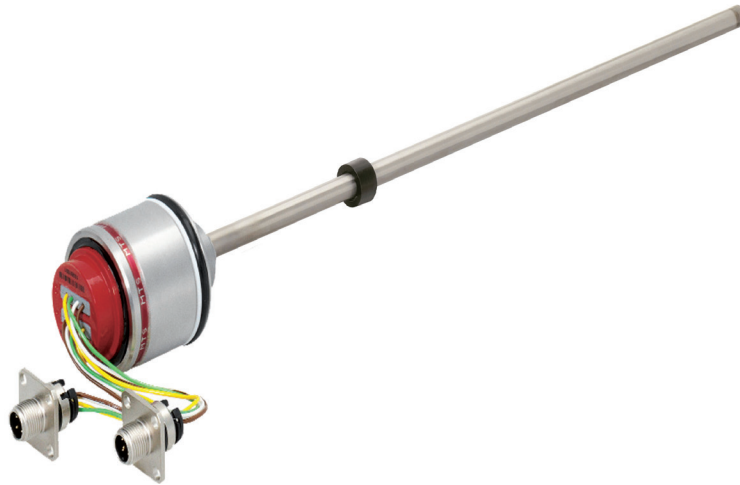
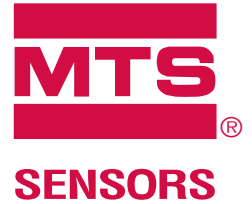


# Temposonics®

Absolute, Non-contact Position Sensors

MH-Series  
Model MT  
**Product Focus**



## 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.

### 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](mailto:sensorsinfo@mts.com)

### Two-year Warranty

The Model MT 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 |
|--------------|------------------------------|-------------------|---------------------|---------------|
| Voltage      | 0.25 - 4.75 V<br>0.5 - 4.5 V | 50 - 1500 mm      | M12<br>Single wires | 12/24 V       |
| Current      | 4 - 20 mA                    |                   |                     |               |

\*See configuration guide to determine orderable part number.

### Sensor dimension references

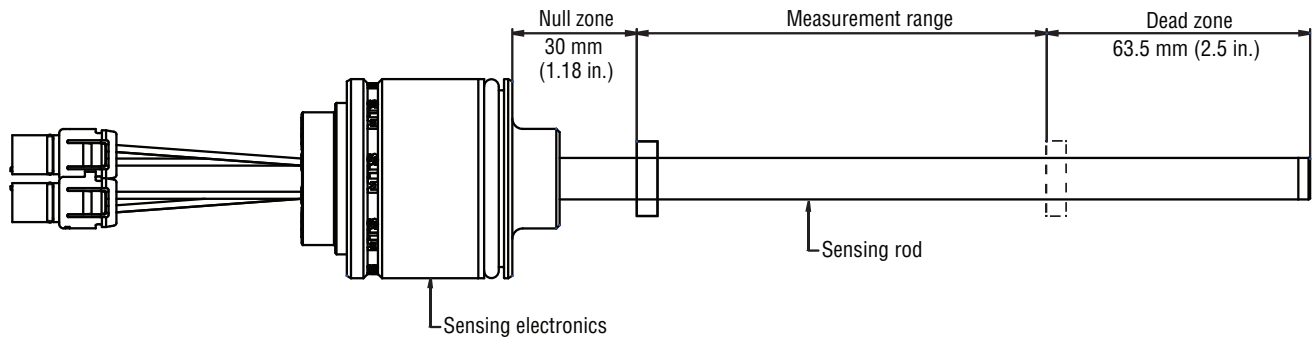


Figure 1. Model MT rod-style sensor dimension reference

## 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   |

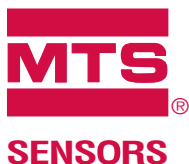
| M12 Flange Selections                       | Part no. |
|---|----------|
| M12 with flexible mounting (8 orientations) | 253769   |
| M12 with fixed mounting (1 orientation)     | 254381   |

| Optional accessories | Part no. |
|----------------------|----------|
| Analog/PWM Tester    | 280618   |

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

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