

## Product Brief

# MH-Series MXR

## Magnetostrictive Linear Position Sensors



### Model MXR Sensor

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Robust linear-position sensing for off-highway equipment.

#### MXR Features and Benefits:

**Rugged.**

Versatile and rugged mechanical package designed to 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.

**External.**

External mounting for new or retrofit designs.

**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 100 to 500 mm with multiple outputs including Analog and PWM.

## Sensor options

Output Style	Output Range	Measurement Range	Connection Type	Input Voltage
Voltage	0.1-4.9 V	109-250 mm (4 - 10 in.)	M12	5 V
PWM	Scaled over (50 - 500 Hz)	100 - 600 mm (4 - 24 in.)	M12	12/24 V
Voltage	0.5 - 4.5 V			
Current	4 - 20 mA			

\*See configuration guide to determine orderable part number.

## Sensor dimension references

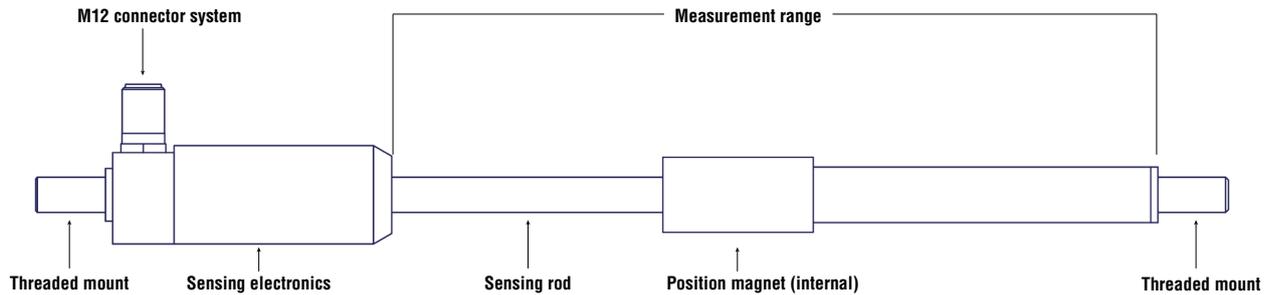


Figure 1. Model MXR rod-style sensor dimension reference

## Accessories

Mounting accessories and the Analog/PWM tester may be ordered separately. Refer to the table below for ordering information.

Mounting accessories	Part no.	Optional accessories	Part no.
Spherical ball end	500035	Analog/PWM Tester	280618
Spherical stud end	500036		

### Document Part Number:

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