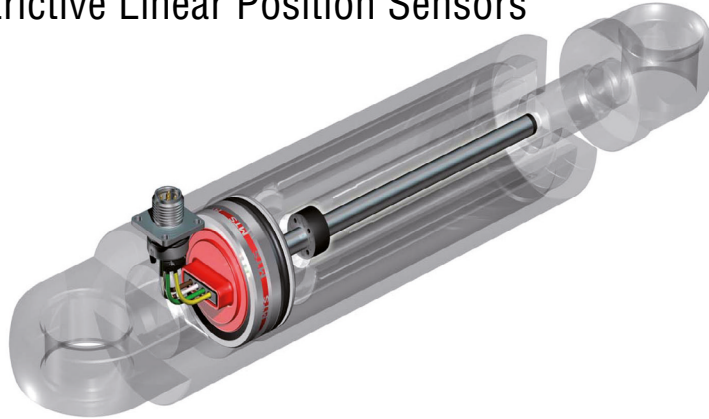


Product Brief

MH-Series MH Safety

Magnetostrictive Linear Position Sensors



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.

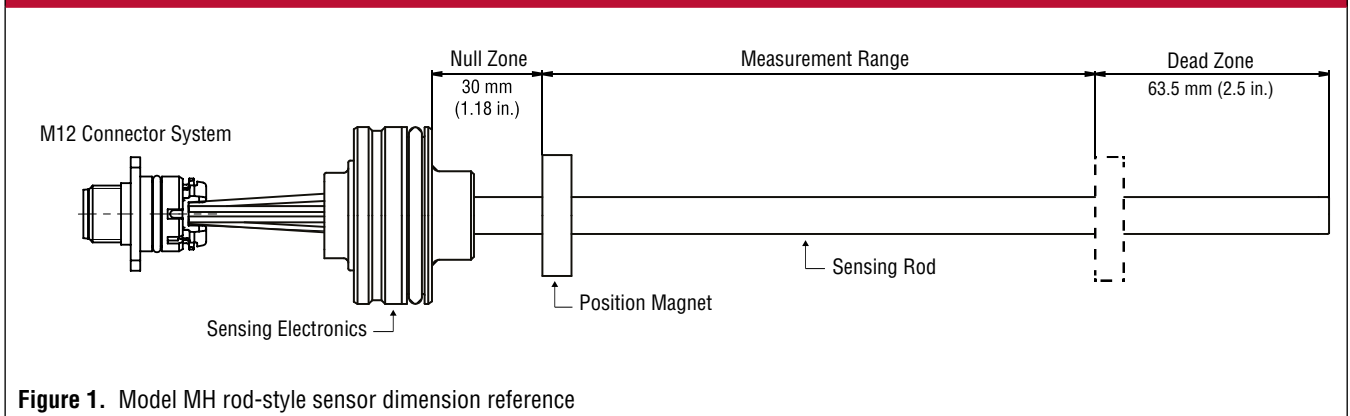
Capability to measure a range from 50 to 2500 mm (2 to 98 in.) with multiple outputs including Analog and CANopen Safety.

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



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.	Optional accessories	Part no.
Ring magnet, O.D. 17.4 mm (0.68 in.)	401032	Analog/PWM Tester	280618
Ring magnet, O.D. 25.4 mm (0.99 in.)	400533	CAN Tester	253879
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

Document Part Number:

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