

Product Brief

MH-Series Flexible MH

Magnetostrictive Linear Position Sensors

- ▶ **Linear, absolute measurement**
- ▶ **Easy in-field installation and replacement**
- ▶ **Stroke lengths from 500...5000 mm**
- ▶ **Resolution: ± 0.2 mm**
- ▶ **Analog and CANbus output options**



Designed for use with hydraulic cylinders in mobile applications, the externally threaded Flexible MH sensor features an innovative two-part design. This design allows users to separate the flexible sensing element and electronics from the housing without opening the hydraulic system.

While it is manageable to install and remove hydraulic cylinder sensors at a manufacturing facility, it can be extremely challenging in the field. Trained service technicians can remove and replace the internal components with just 200 mm of clearance regardless of stroke length and without breaking the hydraulic seal. This serviceability means decreased downtime and disruption, providing increased productivity. Replacement units ship as coiled rings to ease handling and reduce shipping costs.

TYPICAL APPLICATIONS

The FMH sensor was designed for applications where there is a desire to be able to service the sensor with a minimum amount of space available to remove and replace the sensor. Some potential applications include: Fire Trucks, Surface Drills (mining, wells), Concrete pumpers, Telescopic Material Handlers

Features	
Measured value	Position
Output	Analog (Voltage / Current), CANbus
Resolution	Typ. ± 0.2 mm
Stroke length	500...5000 mm
EMC	ISO 14982 - Agricultural and forestry machinery ISO 13766 - Earth-moving machinery EN 13309 - Construction machinery RF immunity to 200 V/m per ISO 11452-2/-4
Connection type	M12 connector (IP69K with mating M12 connector)
Operating voltage	12 / 24 VDC (8...32 VDC)



Document Part Number:

551586 Revision B (EN) 07/2016

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