

Temposonics®

Magnetostrictive Linear Position Sensors



Position Feedback on Auxiliary Mobile Equipment Application Note

SEGMENT: Mobile Hydraulics
BRANCH: Agricultural Machines



WHY POSITION MEASUREMENT?

Modern agricultural attachments are increasingly sophisticated and significantly optimize working processes in today's farming activities. Key elements of this technological development are measuring systems. Reliable position measurement enables controlled and efficient movements of cultivation machines and their equipments - like seeders, ploughs, rotary swathers, irrigation systems, pump units, weeding machines, balers, etc.

KEY REQUIREMENTS

- Absolute and reliable position feedback for precise movements and stability
- Highest robustness against shock and vibrations
- Increased safety and comfort for the operator
- Environment-friendly solution: controlled spread of pesticides

WHERE ARE POSITION SENSORS INSTALLED?

- ① On the steering for precise machine positioning
- ② On the attachment for depth control
- ③ On the attachment for angle control
- ④ In the tank for level monitoring
- ⑤ On the attachment for angle adjustment and height control

MTS SENSORS SOLUTION

Temposonics® linear position sensors allow on-board intelligent controls to improve reliability through automated monitoring and avoid dangerous situations all while improving productivity, safety and ergonomics.

The MH-Series is specifically designed for full sealing and embedding in hydraulic cylinders. The proprietary M12 connector system enables IP69K.

The Temposonics® C-Series is the smallest magnetostrictive sensor series on the market. Designed for battery powered off-highway applications it is ideal for measuring small cylinder strokes.

RECOMMENDED SENSOR MODELS

MH-Series MH

Embedded Cylinder Solution



MH-Series MH Threaded

External Mount



C-Series Off-Highway

Compact

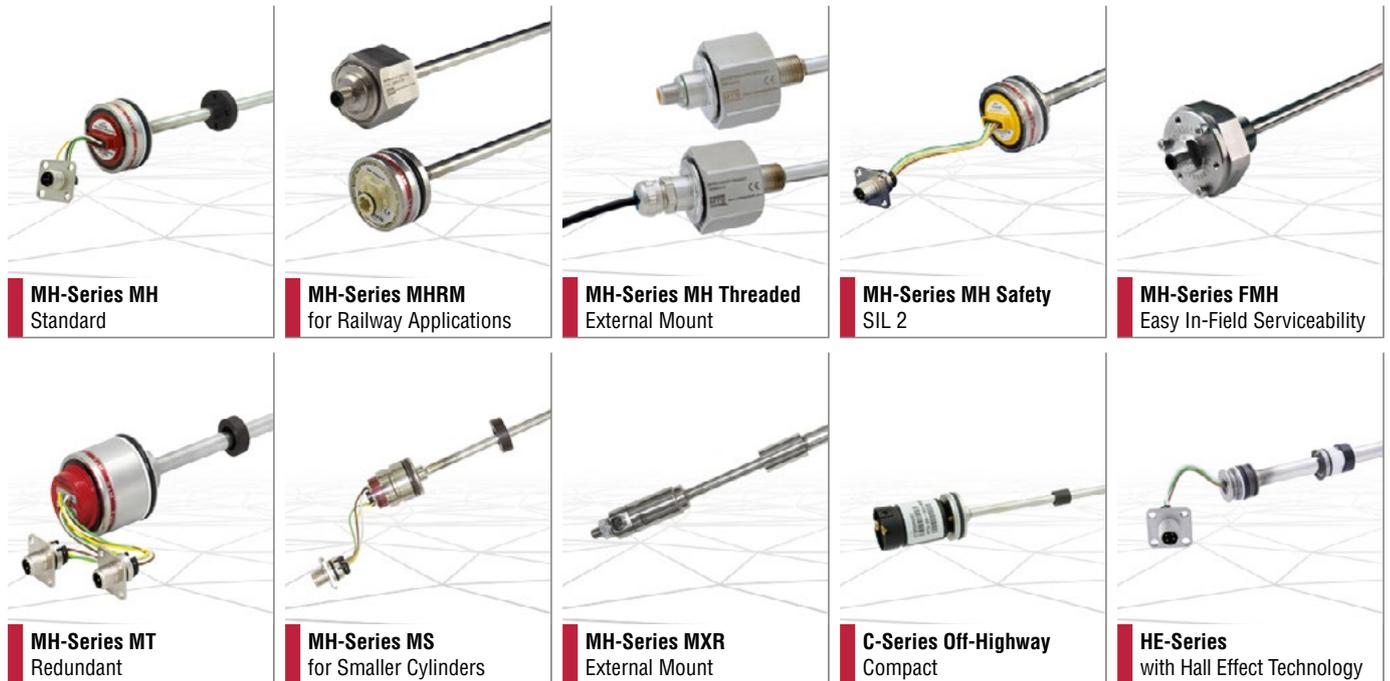


HE-Series

with Hall Effect Technology



MEETING THE CHALLENGES OF MOBILE HYDRAULIC APPLICATIONS



TOTAL CUSTOMER SATISFACTION

Our commitment at MTS Sensors is to consistently deliver quality products on time to meet your schedules and provide first-class service. Trust in our continuous product development of high-performance position sensors and rely on our highly qualified personnel. At MTS Sensors, we live by the promise of unparalleled service that enables us to take all available means to exceed your expectations. Our goal is to support you optimizing your productivity and we love the idea to make you save your valuable time!

If we can be of further assistance please let us know -

Your MTS Sensors Team



Document

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www.mtssensors.com

UNITED STATES

MTS Systems Corporation
Sensors Division
Phone: +1 919 677-0100
E-Mail: info.us@mtssensors.com

GERMANY

MTS Sensor Technologie
GmbH & Co. KG
Phone: +49 2351 9587-0
E-Mail: info.de@mtssensors.com

ITALY

Branch Office
Phone: +39 030 988 3819
E-Mail: info.it@mtssensors.com

FRANCE

Branch Office
Phone: +33 1 58 4390-28
E-Mail: info.fr@mtssensors.com

UK

Branch Office
Phone: +44 79 44 15 03 00
E-Mail: info.uk@mtssensors.com

SCANDINAVIA

Branch Office
Phone: +46 70 29 91 281
E-mail: info.sca@mtssensors.com

CHINA

Branch Office
Phone: +86 21 2415 1000 / 2415 1001
E-Mail: info.cn@mtssensors.com

JAPAN

Branch Office
Phone: +81 3 6416 1063
E-Mail: info.jp@mtssensors.com