

Application Note

Telehandlers

Magnetostrictive Linear Position Sensors

SEGMENT: Mobile Hydraulics **BRANCH:** Construction &

Material Handling Machines



WHY POSITION MEASUREMENT?

Telehandlers are being used as safe and more efficient alternatives to ladders and scaffolding in modern farms. Reliable position measurement enables controlled and fast movements.

KEY REQUIREMENTS

- · Absolute and reliable position feedback on extended stroke length
- · Highest robustness against shock and vibrations
- · Increased safety and comfort for the operator

WHERE ARE POSITION SENSORS INSTALLED?

- Inside the tilt cylinder
- 2 Inside the boom extension cylinder
- 3 Inside the lift cylinder for optimized load management (tilt control and parallel movements)
- 4 Inside the steering cylinder for controlled moves
- Front axle suspension
- Inside the horizontzal outriggers for more stability and fast adjustmens

TEMPOSONICS SOLUTION

Temposonics linear position sensors allow on-board intelligent controls to improve accuracy 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.

RECOMMENDED SENSOR MODELS







MEETING THE CHALLENGES OF MOBILE HYDRAULIC APPLICATIONS



TOTAL CUSTOMER SATISFACTION

Our commitment at Temposonics 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 Temposonics, 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 Temposonics Team



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Document

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