

Temposonics®

Magnetostrictive Linear Position Sensors



MH-Series Analog - Threaded version Product Brief

- ▶ Stroke length up to 2500 mm
- ▶ With M18×1.5 thread
- ▶ Sensor rod with Ø 7 mm or Ø 10 mm
- ▶ Rugged to withstand off-highway shock and vibration
- ▶ M12 connector or cable output



The Temposonics® MH-Series sensors are specifically designed for direct stroke measurement in hydraulic cylinders. The MH Threaded sensor extends the rugged design of the Temposonics® MH-Series sensors to external threaded installations. A MTS M12 connector system ensures protection to IP69K. The inherent absolute capabilities ensure that the MH Threaded sensor is always ready. With two connection styles, the responsive magnetostrictive linear position sensors can be integrated into most installations.

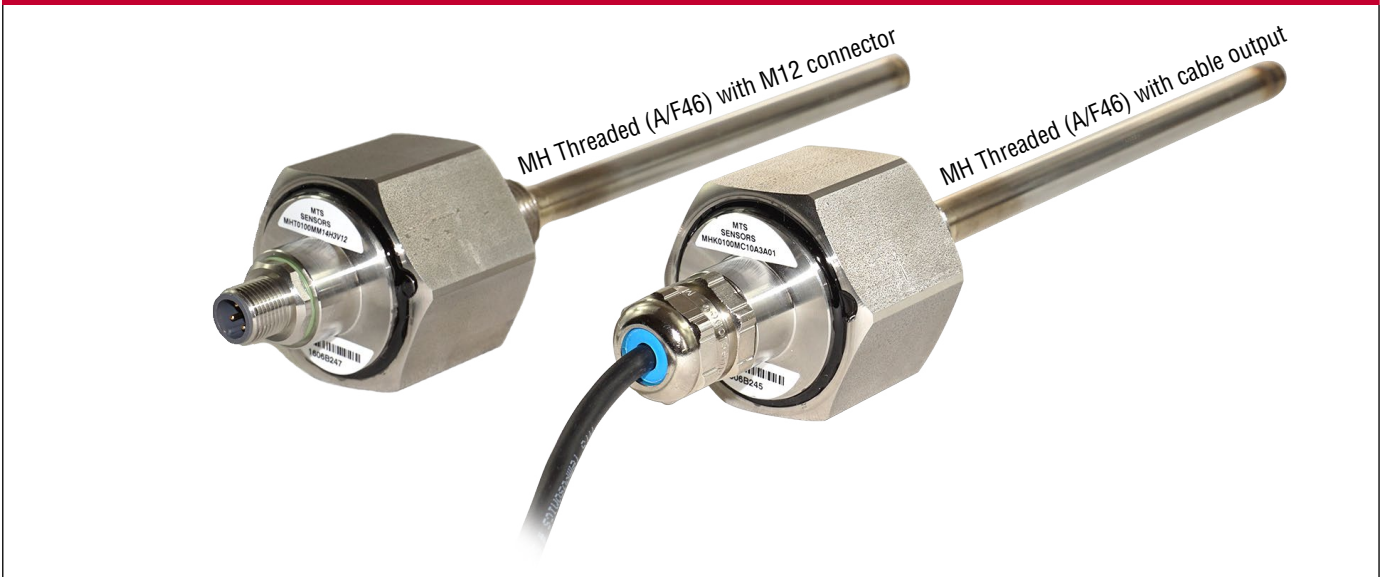
TYPICAL APPLICATIONS

Temposonics® MH Threaded sensors can be used in applications where access is available from the outside of the cylinder. Example applications include lift and tilt cylinders, hydraulic jacks, and hydraulic steering systems in agricultural and construction machinery.

Features

Measured value	Position
Output	Analog (Voltage / Current)
Resolution	±0.1 mm
Stroke length	50...2500 mm
Rod	7 mm / 10 mm
EMC	2009/64/EG Road vehicles 2009/19/EG Agricultural and Forest machines ISO 14982 Emissions/Immunity ISO 7637-1/2 Transient Impulses ISO / TR 10605 Electrostatic Discharge (E.S.D.)
Connection type	M12 connector (IP69K with mating M12 connector) or cable output (IP69K)
Operating voltage	12 / 24 VDC (8...32 VDC)

Connection styles



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