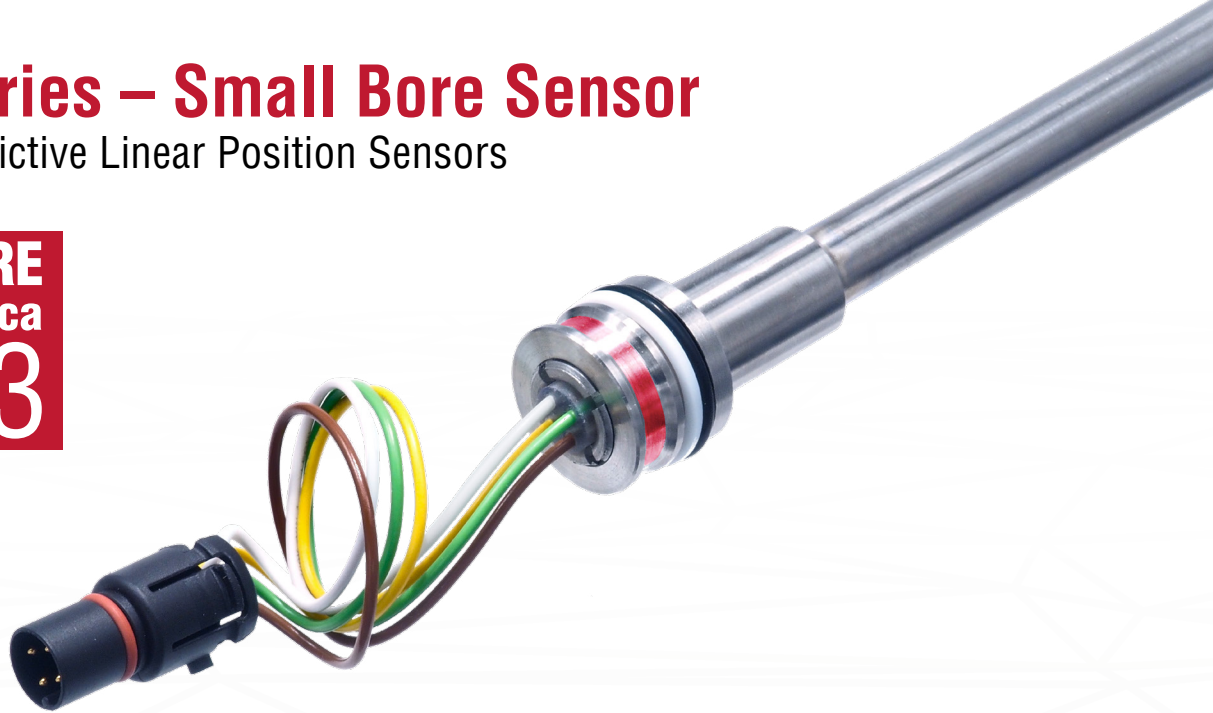


Product Brief

MH-Series – Small Bore Sensor

Magnetostrictive Linear Position Sensors

PREMIERE
Agritechnica
2023



Overview

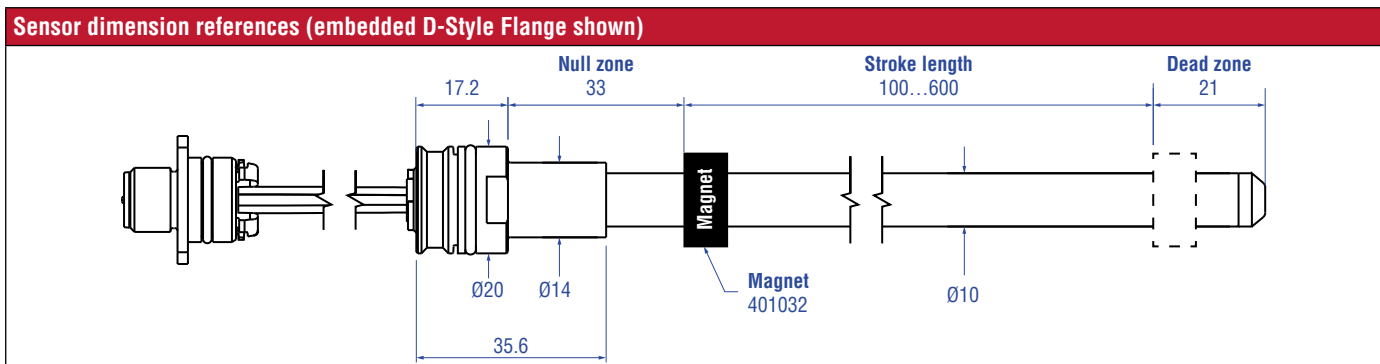
- ▶ Based on magnetostrictive technology
- ▶ Stroke lengths up to 600 mm
- ▶ Simplified design
- ▶ Embedded and external threaded options
- ▶ Uses standard MH magnets
- ▶ Analog and CANbus output available

Typical Applications

- ▶ Agricultural equipment
- ▶ Small construction machines
- ▶ Short stroke cylinders where minimal pin-to-pin distance is a priority



Features	
Measured Value	Position, Velocity (CANbus only)
Output Options	Voltage, Current, CANopen, J1939
Stroke Length	100 mm to 600 mm
Resolution	0.1 mm
Linearity	±0.4 mm
Shock	100 g (11 ms) single shock per axis, IEC 60068-2-27 50 g (11 ms) at 1000 shocks per axis, IEC 60068-2-29
Vibration	Operational sine vibration test IEC 60068-2-6: 10 g (5...2000 Hz) Survival random vibration test IEC 60068-2-64: 20 g RMS (20...2000 Hz) 12 h per axis
EMC	Compliant with: ISO 13766-1:2018 Earth-moving and building construction machinery EN ISO 14982:2009 Agricultural and Forestry Machinery EN 13309:2010 Construction machinery ISO 16750-2:2012 Road vehicles
EMI	200 V/m (ISO 11452-2: 2019 200...2000 MHz) 200 mA (ISO 11452-4: 2011 20...200 MHz)
Operating Temperature	-40...+105 °C
Operating Voltage	9...32 VDC
Connection type	M12 connector (IP69K with mating M12 connector)



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