

Linear Position Sensors

Hall Effect Technology

PRODUCT-BRIEF MH-Series HE



The new HE linear position sensor features hall-effect, non-contact technology and is designed to cover stroke length measurement ranges from 100 to 400 mm. Multiple mechanical packages are available to allow integration into the hydraulic cylinder. When installed, there is virtually no dead zone and the full hydraulic stroke range will be shown completely as an electrical output. The M12 connection system (IP69K) simplifies installation and eliminates miswiring, while provided sealing and protection from high pressure spray. Ideal for maintenance free applications, the robust sensor delivers a stable output under the harshest EMI conditions and provides industry leading repeatability to support critical control functions.

Features
Output: Analog
Measuring range: 100...400 mm
Rod: Ø 10 mm
Operating temperature: -40...+85°C
Shock test: up to 25 g
Vibration test: up to 15 g
Ingress protection: IP67, IP69K with integrated M12 connector system
Applications
Off-highway

SENSOR OPTIONS

Output style	Output range	Measurement range	Connection type	Input voltage
Voltage	0.5...4.5 V	100...400 mm	M12	12 VDC

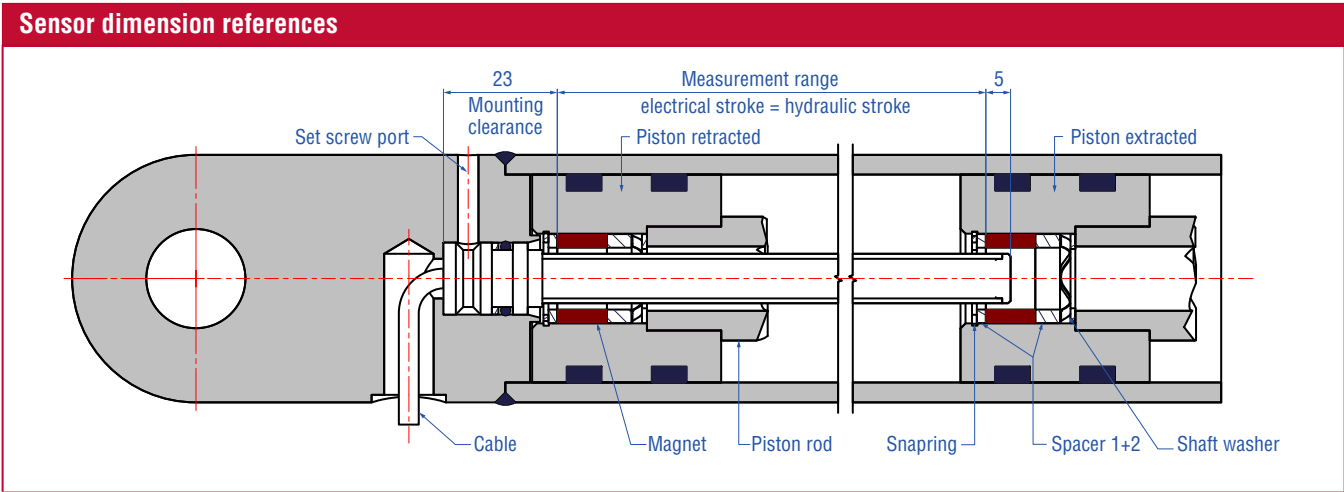


Figure 1. Model HE rod-style sensor dimension reference

MOUNTING OPTIONS

Threaded style		Push-in flange
Internal thread	SAE #6	20 mm diameter with set screw
External thread	SAE #8	14.5 mm diameter with set screw
External thread	M18x1.5	14 mm diameter with snap ring or set screw