

Linear Position Sensors

Hall Effect Technology



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 elimantes 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 repeability to support critical control functions.

Features

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Output: Analog
Measuring range: 100400 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	0.54.5 V	100400 mm	M12	12 VDC

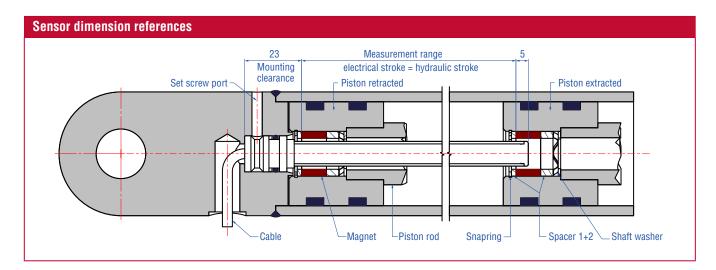


Figure 1. Model HE rod-style sensor dimension reference

MOUNTING OPTIONS

Threaded style		Pus
Internal thread	SAE #6	20 (
External thread	SAE #8	14.
External thread	M18×1.5	14

LEGAL NOTICES

Push-in flange
20 mm diameter with set screw
14.5 mm diameter with set screw
14 mm diameter with snap ring or set screw



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