Pressure-resistant position sensors from ifm.

www.ifm.com/gb/mfh

Cylinder sensors

WARRANTY 5 years on ifm products
Pressure resistant:
Operating pressure up to 500 bar, bursting pressure up to 2000 bar.

Long life:
With 10 million pressure cycles the sensor lasts as long as the cylinder.

Extremely robust:
Housing and sensing face of 1 mm thick stainless steel.

Half price:
Equipping the cylinder with two ifm sensors costs no more than a comparable sensor in this application.

Space-saving:
Housing length of only 40 mm for a low cylinder profile.

Options:
M12 or M14 housing, cable or M12 connector, PNP or NPN, normally open, normally closed or complementary output.

Reliable monitoring of the piston position.
The units are based on a magnetic-inductive technology which solely detects ferromagnetic metals (e.g. steel of the piston rod). Using this operating principle the stainless steel housing can have a wall thickness up to 1 mm, even at the sensing face, resulting in extremely long life and high reliability.

Not only for cylinders.
The magnetic-inductive sensors used in municipal vehicles but also on other hydraulic components such as valves or pumps stand out with their high pressure rating.

Multitude of applications.
The compact sensors can also be used at low cost for position detection in machine construction, e.g. in injection moulding machines or presses but also in the process industry.
Designed for position detection on hydraulic cylinders. Pressure-resistant up to 500 bar.

The MFH type sensors can be screwed flush into various hydraulic cylinders. With a sensing range of 1.8 mm they reliably detect the position of the piston rod in the cylinder.

Housing | Sensing range [mm] | Length [mm] | Connection | Output | Order no.  
---|---|---|---|---|---  
M12  | 1.8 | 93 | M12 | PNP NO | MFH200  
| 1.8 | 93 | M12 | NPN NO | MFH201  
| 1.8 | 60 | M12 | PNP NO | MFH202  
| 1.8 | 60 | M12 | NPN NO | MFH203  
| 1.8 | 60 | M12 | PNP NC | MFH204  
| 1.8 | 60 | M12 | PNP NO / NC | MFH209  
M12  | 1.8 | 40 | cable | PNP NO | MFH205  
| 1.8 | 40 | cable | NPN NO | MFH206  
| 1.8 | 40 | cable | PNP NC | MFH207  
| 1.8 | 40 | cable | PNP NO / NC | MFH208  
M14  | 2 | 53 | M12 | PNP NO | M9H200  
M14  | 2 | 40 | cable | PNP NO | M9H201  
| 2 | 40 | cable* | PNP NO | M9H202  

* with AMP plug

You can find more information such as technical data, accessories, application video or prices at

www.ifm.com/gb/mfh
Over 70 locations worldwide – at a glance at www.ifm.com

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