



Time for an oil change?

Oil humidity sensor keeps an eye on quality

- Monitors the relative humidity and temperature of ester and mineral oils
- Continuous measurement enables condition-based changes and maintenance
- Easy installation thanks to standardised process connection and M12 connector



IP69K



ifm – close to you!

Process connection	Outputs	Order no.
G ½	2x 4...20 mA	LDH110
G ½	IO-Link	LDH112
½ NPT	IO-Link	LDH122

Condition-based oil management

The LDH oil humidity sensor continuously measures the relative humidity and temperature of the oil. This enables plant operators to carry out condition-based changes and maintenance. It allows the medium to be used with maximum efficiency while avoiding plant damage due to reduced cooling or lubricating action. Corrosion and cavitation caused by free water can also be effectively prevented.

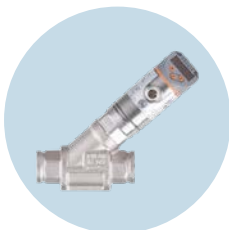
Thanks to the G½ thread and standardised M12 connector the LDH can be put into operation easily and correctly, and with the IO-Link technology the data can be conveniently used for IT-based condition monitoring.

The stainless steel housing permanently withstands the harshest conditions of the operating environment.

Common technical data		
Media		Mineral oils, synthetic esters, organic oils
Operating voltage LDH110	[V DC]	9...33
Operating voltage LDH1x2	[V DC]	18...30
Rel. oil humidity measuring range	[% RH]	0...100
Temperature measuring range	[°C]	-40...120
Pressure rating	[bar]	50
Materials housing		stainless steel (316L / 1.4404), PEI
Materials seal		FKM
Protection rating		IP68 IP69K

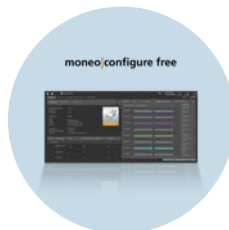
BEST FRIENDS

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Flow sensor

Mechatronic measuring principle with fast response time



moneo|configure free

Software for parameter setting of the IO-Link infrastructure



Oil particle monitor

Measures the particle concentration and displays the degree of purity



For further technical details, please visit: ifm.com/fs/LDH110