



Position sensors

Robust full-metal ultrasonic sensor for harsh environments



Ultrasonic sensors



Continuous non-contact level measurement and object detection regardless of environmental condition

Resistant to aggressive media

Long range of up to 2500 mm

Digital or analogue measured value output

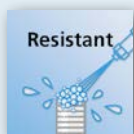
Easy parameter setting, measured value transmission and diagnostic information via IO-Link



IO-Link



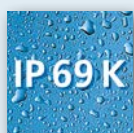
Ultrasound



Resistant



High-grade stainless steel



IP 69 K



ECOLAB certified

Level monitoring in any application


Whether in tanks or silos, whether liquids, bulk material or individual objects: The universal level and distance measurement using ultrasound is reliable and accurate. However, even if there is no direct contact with the medium, aggressive vapours and fumes can severely affect the function and life of a sensor. But thanks to ifm's new full-metal ultrasonic sensor, this is now a thing of the past. From the diaphragm to the connector, the sensor is completely enclosed in resistant high-grade stainless steel. Thus, it is resistant to external influences and benefits from an extended service life.

IO-Link included

Using IO-Link communication, distance values can be transmitted digitally or the measuring range can be set. Thanks to the feedback on the echo quality, the alignment of the sensor can be optimised during installation and the functional reliability can be continuously monitored.



Products


Type	Total length [mm]	Output	Order no.
M30, IO-Link			
	103	2 x PNP / 2 x NPN*	UIT300
	103	PNP + 4...20 mA / NPN + 4...20 mA*	UIT301
	103	PNP + 0...10 V / NPN + 0...10 V*	UIT302

* Selectable via IO-Link


Further technical data


Operating voltage	[V DC]	10...30
Switching frequency	[Hz]	1
Current rating	[mA]	100
Switching output		
Operating temperature range	[°C]	-10...60
Temperature compensation		•
Protection rating		IP 65, IP 67, IP 68, IP 69K
Housing material		High-grade stainless steel
Connection		M12 connector
Switching status indication	[LED]	Yellow


Accessories

Type	Description	Order no.
	Angle bracket for type M30, stainless steel	E10737



IO-Link

	IO-Link master DataLine, USB	AL1060
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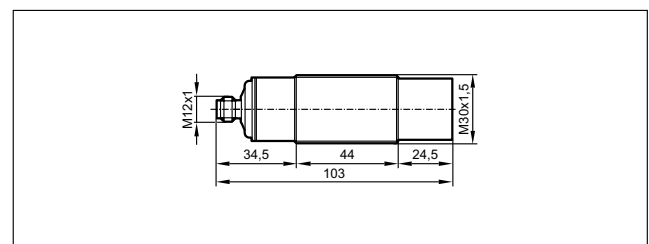
	USB connection cable, 1 m, PUR	E12689
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	moneo configure SA (Stand alone) licence, software for online and offline parameter setting of IO-Link devices incl. maintenance and support until the end of the following year	QMP010
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Connection technology

	Socket, M12, 4 poles 2 m, grey, MPPE cable	EVF064
	Socket, M12, 4 poles 5 m, grey, MPPE cable	EVF001
	Socket, M12, 4 poles 2 m, grey, MPPE cable	EVF067
	Socket, M12, 4 poles 5 m, grey, MPPE cable	EVF004

Dimensions



Wiring

