



Process sensors



Maintenance-free level detection where other systems fail



Level sensors



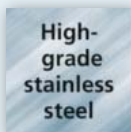
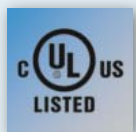
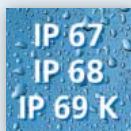
Most reliable deposit suppression on the market

Flexible installation independent of the orientation

Shock and vibration resistant in a robust stainless steel housing

Factory set for simple plug & play

Differentiation of media by switch point setting



Level under control

The LMC family reliably monitors levels, e.g. in machine tools or wastewater management, or protects pumps from running dry. The option of a thread at the back permits variable installation depths and application-specific installation.

Versatile sensor for all media

The LMC sensor can be set to almost any liquid or viscous medium as well as to bulk materials. Permanent medium temperatures up to 100 °C or a heavy build-up are no problem.

The differentiation between two media is possible due to the two switching outputs which can be set independently. The parameters can be set with IO-Link and USB interface accessory E30390.



Process connection	Probe length [mm]	Feature	Medium temperature [°C]	Order no.	Order no.
Applications: water, hydrous media/oils, oil-based media M12 connector · output function NO/NC complementary				Water	Oil
G 1/2	12	–	-25...100	LMC100	LMC110
G 1/2	21	Thread at the back	-25...100	LMC400	LMC410
1/2 NPT	34	–	-25...100	LMC500	LMC510
1/2 NPT	40	–	-20...100	LMC502	–

Accessories

Type	Description	Order no.
	Welding adapter, G 1/2, Ø 26.4 mm	E43375
	Flat seal, 26.5 x 21.3 x 1.5 mm	E43376
	Welding mandrel for G 1/2 adapter, process connection G 1/2A	E43382
	Adapter, process connection G 1A	E43383
	Clamp adapter for LMC4x0 design, Ø 26.9 mm	E43384
	Cover, Ø 28 mm x 50 mm, pack quantity 5 pieces	E43385

Further technical data

Operating voltage	[V]	18...30 DC
Current rating	[mA]	100
Housing materials		Stainless steel (1.4404 / 316L), PEEK; PEI, FKM
Materials in contact with the medium		Stainless steel (1.4404 / 316L), PEEK (FPM only LMC502)
Protection		IP 68, IP 69K / III
Shock resistance	[g]	50
Vibration resistance	[g]	20
Ambient temperature	[°C]	-25...85
EMC closed tanks:		EN 6100-6-2:2005
EMC open tanks:		EN 6100-6-3:2006 EN 6100-6-4:2006

Accessories IO-Link

Type	Description	Order no.
	USB IO-Link master for parameter setting and analysis of units Supported communication protocols: IO-Link (4.8, 38.4 and 230 Kbits/s)	E30390
	Memory plug, parameter memory for IO-Link sensors	E30398
	Jumper cable M12 plug / M12 socket, 0.3 m black, PUR cable	E12432
	LR DEVICE (supplied on USB flash drive) Software for online and offline parameter setting of IO-Link sensors and actuators	QA0011

Installation example LMC400:

Rear installation of the LMC400 sensor in the pipe permits variable installation depths.

