

Level sensor with modular probe concept



Reliable and precise medium detection in hygienic applications

- Installation adjustment for optimum setting to the installation situation
- Aseptoflex Vario thread for a multitude of process adapters
- Probe lengths of 15...200 cm
- Suitable for medium temperatures up to 150 °C



Versatile use

Whether smaller storage tanks, compensating tanks, separators or in filling processes: There are no limits to applications for LR. Even adverse operating conditions such as foam or high temperature do not affect precise level detection.

Successful thanks to modular concept

The probes can be shortened, or changed, so the LR reduces stock-keeping and simplifies replacement. IO-Link means the fiddly parameter setting on the device is a matter of the past.

Resistant materials

High-quality materials such as PEEK and EPDM as sealing material or the high-grade stainless steel housing are suitable for internal and external cleaning and resist the most adverse operating conditions.




Process connection	Medium temperature [°C]	Max. tank pressure [bar]	Protection rating/ protection class	Order no.
--------------------	----------------------------	--------------------------------	--	--------------

M12 connector · IO-Link 1.1				
Aseptoflex Vario	-40...150	-1...40	IP 69K, III	LR2750




Accessories

Type	Description	Order no.
------	-------------	--------------




Probes for hygienic LR processes

	0.15 m, high-grade stainless steel (316L/1.4404)	E43345
	0.3 m, high-grade stainless steel (316L/1.4404)	E43346
	0.5 m, high-grade stainless steel (316L/1.4404)	E43340
	0.7 m, high-grade stainless steel (316L/1.4404)	E43347
	1.0 m, high-grade stainless steel (316L/1.4404)	E43341
	1.5 m, high-grade stainless steel (316L/1.4404)	E43348
	2.0 m, high-grade stainless steel (316L/1.4404)	E43342

Aseptoflex Vario adapter

	Pipe fitting, DN40 (1.5")	E33212
	Pipe fitting, DN50 (2")	E33213
	Clamp adapter, Clamp 1-1.5"	E33201
	Clamp adapter, Clamp 2"	E33202
	Welding adapter, Ø 50 mm	E30122



IO-Link

	IO-Link interface for parameter setting and analysis of units with DTM specification, current consumption from USB port: max. 500 mA	E30396
	Memory plug, parameter memory for IO-Link sensors	E30398
	LINERECORDER SENSOR, software for parameter setting and setting up IO-Link sensors	QA0001

Further technical data

Operating voltage	[V]	18...30 DC
Current rating	[mA]	200
Current consumption	[mA]	< 80
Power-on delay time	[s]	≤ 3
Dielectric constant medium		> 5
Ambient temperature	[°C]	-40...80
Metals in contact with the medium		high-grade stainless steel (316L/1.4404), PEEK, EPDM
Housing materials		high-grade stainless steel (316L/1.4404), PEI, PFA, PBT, FKM
IO-Link device type of transmission		1.1

Connection technology

Type	Description	Order no.
	Socket, M12, 4-pole, 5 m orange, PVC cable	EVT001
	Socket, M12, 4-pole, 2 m orange, PVC cable	EVT064
	Socket, M12, 4-pole, 5 m orange, PVC cable	EVT004
	Socket, M12, 4-pole, 2 m orange, PVC cable	EVT067

ifm article no. 78001710 · We reserve the right to make technical alterations without prior notice. · 04.2015