

# Hygienic point level sensor especially for hazardous areas



## Reliable level detection – LMT

- Approved for ATEX areas of category 3D/3G
- “Plug & Play” – factory preset to oil-based media
- Can be set to other media such as alcohol using IO-Link
- Hygienic design with maintenance-free sealing concept
- Shock and vibration resistant in a robust stainless steel housing



### Level detection in explosive atmospheres

LMT sensors reliably detect levels in storage tanks in explosive areas. They can be used in zones 2 and 22.

### Food-grade

The sensor with its high-quality housing materials such as high-grade stainless steel (316L / 1.4404) and PEEK meets all requirements for hygienic areas. This includes approvals such as EHEDG and FDA.

### Versatile sensor for all media

The LMT can be adjusted to almost all liquid and viscous media as well as powders. The distinction between two media in the same application is possible due to the two switching outputs which can be set independently. Convenient parameter setting is made via IO-Link.



Process connection	Installation length [mm]	Approval	Medium temperature oils, oil-based media, powder	Protection [hazardous areas]*	Order no.
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**Application: liquids, viscous media and powders**  
**M12 connection · output function 2 x NO/NC programmable · 4-wire DC PNP · IO-Link 1.1**

G 1/2	12	EHEDG, FDA	-20...85 °C	IP 67 / III	<b>LMT01A</b>
G 1/2	153	EHEDG, FDA	-20...85 °C	IP 67 / III	<b>LMT03A</b>
G 1/2	253	EHEDG, FDA	-20...85 °C	IP 67 / III	<b>LMT04A</b>

\*IP 68, IP 69K outside the hazardous area

### Accessories

Type	Description High-grade stainless steel	Order no.
	Clamp adapter G 1/2 female – Clamp 1"–1.5"	<b>E33401</b>
	Clamp adapter G 1/2 female – Clamp 2"	<b>E33402</b>
	Welding adapter ball, G 1/2	<b>E30055</b>
	Welding adapter collar, G 1/2	<b>E30056</b>
	T-piece, DN 25	<b>E43316</b>
	T-piece, DN 40	<b>E43317</b>
	T-piece, DN 50	<b>E43318</b>
	Welding adapter, cylindrical, for tanks, G 1/2	<b>E43300</b>
	Welding adapter, cylindrical, for pipes, G 1/2	<b>E43301</b>
	Screw-in adapter G1/2 female – G 3/4 male	<b>E43302</b>
	Screw-in adapter G1/2 female – G 1 male	<b>E43303</b>
	Screw-in adapter G1/2 female – 3/4 NPT	<b>E43313</b>
	Clamp adapter, G 1/2 female – Varivent D50	<b>E43306</b>
	Clamp adapter, G 1/2 female – Varivent D68	<b>E43307</b>
	Welding adapter, long design for deeper installation, G 1/2	<b>E43319</b>

### Connection technology

Type	Description	Order no.
	Socket, M12, 2 m black, PUR cable	<b>EVC04A</b>
	Socket, M12, 5 m black, PUR cable	<b>EVC05A</b>
	Socket, M12, 10 m black, PUR cable	<b>EVC06A</b>

### Further technical data

Operating voltage	[V]	18...30 DC
Current consumption	[mA]	< 50
Current rating	[mA]	100
Housing materials		high-grade stainless steel (1.4404 / 316L), (1.4571 / 316Ti), PEEK; PEI; FKM
Materials in contact with the medium		high-grade stainless steel (1.4404 / 316L), (1.4571 / 316Ti), PEEK; FKM
Shock resistance	[g]	50
Vibration resistance (LMT03A, LMT04A)	[g]	8
Vibration resistance (LMT01A)	[g]	20
Ambient temperature	[°C]	-20...60
EMC (LMT03A, LMT04A) Closed tanks		EN 61000-6-2 EN 61000-6-4
EMC (LMT01A) Open tanks Closed tanks		EN 61000-6-2 EN 61000-6-4 EN 61000-6-3
ATEX approval		group II, category 3D / 3G
Communication interface		IO-Link 1.1
Connection		M12 connector

### Accessories

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)	<b>E30390</b>
	IO-Link interface for parameter setting and analysis of units with DTM specification, current consumption from USB port: max. 500 mA	<b>E30396</b>
	Memory plug, parameter memory for IO-Link sensors	<b>E30398</b>
	LINERECORDER SENSOR, Software for parameter setting and setting up IO-Link sensors	<b>QA0001</b>