Contactless radar. For level measurement up to 10 m in tanks and open containers.



Simple:
Quick set-up, only one parameter required.

Designed to meet requirements:
Robust high-grade stainless steel housing and approvals tailored to hygienic and industrial requirements.

IO-Link:
Remote maintenance, an advantage especially for high tanks.

Precise:
Accurate and continuous level measurement for liquids.

Flexible:
Direct measurement or through non-metallic walls.

LW21 industrial level sensor

Can be used on open and closed tanks and containers.

Direct measurement or through non-metallic walls.

Measuring range 0.01…10 m.

Medium temperatures of -40…150 °C.

Pressure-resistant up to 8 bar.

Easily adjustable via IO-Link.



Process connection	Order no.
2 switching outputs or 1 switching output and 1 analogue output 4...20 mA	
Aseptoflex Vario G1	**LW2120**

* LW2160 with radio approval available for India and Malaysia

[1] Outside of closed metal tanks, the sensor must be used with the E33705 antenna extension. Optional E33706 mounting set available.



Storage tanks



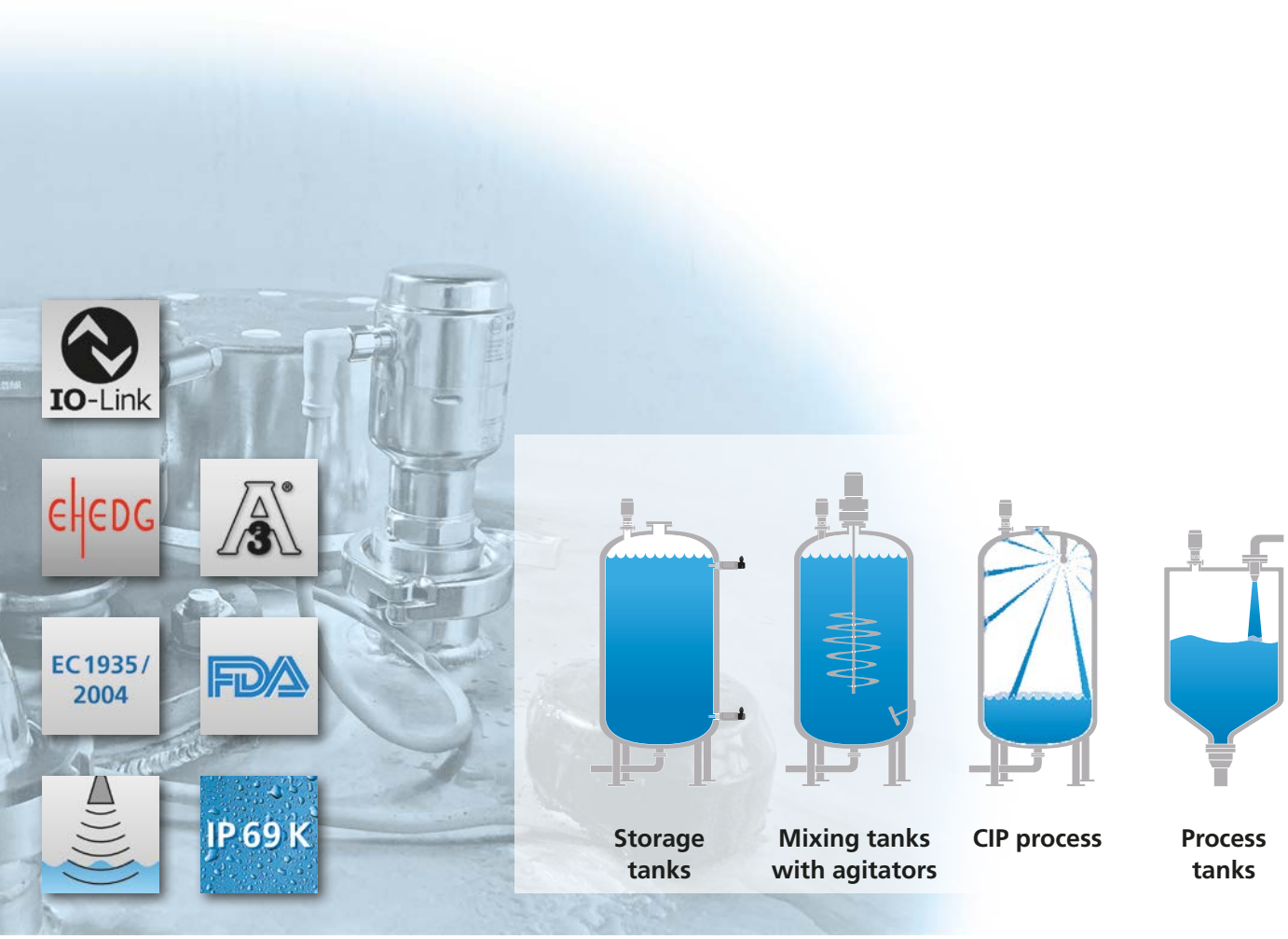
Plastic tanks



Outside use



Flow rate measurement



LW27 hygienic level sensor

Measuring range 0.01…10 m

Medium temperature -40...150 °C

Pressure-resistant up to 8 bar.

Easily adjustable via IO-Link.



Process connection	Order no.
2 switching outputs or 1 switching output and 1 analogue output 4...20 mA	
Aseptoflex Vario G1	**LW2720**

* LW2760 with radio approval available for India and Malaysia

Find out more about radar technology:

Guided wave radar. For industrial and hygienic applications.



Versatile:
Modular sensor concept, flexible in use.

Variable:
Rods can be cut to size as required.

Reliable:
Measuring principle independent of temperature influences.

Optional outputs:
Versions with two or four switching outputs or analogue output 4...20 mA / 0...10 V.

Selectable:
Designs with and without display.

LR type level sensors

Display and handling on the unit or via IO-Link.

As an option with analogue output or up to four switching outputs.

Rod lengths freely selectable between 10...200 cm.

Versions to the German Federal Water Act available.



Process connection	Order no.
2 switching outputs or 1 switching output and 1 analogue output 4...20 mA	
G 3/4 male	**LR2050**
3/4" NPT	**LR2350**
1 switching output and 1 analogue output 4...20 mA or 0...10 V	
G 3/4 male	**LR3000**
3/4" NPT	**LR3300**
2 switching outputs	
G 3/4 male	**LR7000**
3/4" NPT	**LR7300**
4 switching outputs	
G 3/4 male	**LR8000**
3/4" NPT	**LR8300**
4 switching outputs / WHG	
G 3/4 male	**LR8010**[1)]

[1)] Only in connection with rod and coaxial pipe, see page 18

* LR2059, LR3009, LR7009 und LR8009 available for Japan

LR type level transmitters

For industrial use.

As an option with analogue output or up to four switching outputs.

Protection rating IP 69K.

Easily adjustable via IO-Link.

Rod lengths freely selectable between 10...200 cm.





Process connection	Order no.
1 switching output and 1 analogue output 4...20 mA or 0...10 V	
G 3/4 male	**LR3020**
3/4" NPT	**LR3320**
2 switching outputs	
G 3/4 male	**LR7020**
3/4" NPT	**LR7320**
4 switching outputs	
G 3/4 male	**LR8020**
3/4" NPT	**LR8320**

LR27 hygienic level sensor

Display and handling on the unit or via IO-Link.

Medium temperature -40...150 °C.

Pressure-resistant up to 40 bar.

Rod lengths of 15...200 cm selectable.



Process connection	Order no.
2 switching outputs or 1 switching output and 1 analogue output 4...20 mA	
Aseptoflex Vario G1	**LR2750**

* LR2759 available for Japan



For rods and coaxial pipes see pages 18 - 19



For adapters see pages 32 - 33

Guided wave radar.
Rods and coaxial pipes.



Level sensor
3/4" NPT
Type LR3300
Type LR7300
Type LR8300
Type LR2350
Type LR3320
Type LR7320
Type LR8320

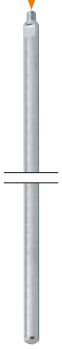


Level sensor
G 3/4 male
Type LR2050
Type LR3000
Type LR7000
Type LR8000
Type LR8010[1)]
Type LR3020
Type LR7020
Type LR8020

[1)] only in connection with rod and coaxial pipe

Rods for LR level sensors with 3/4" NPT or G 3/4 male, industrial applications

Material: high-grade stainless steel (1.4404 / 316L)



Length [mm]	Order no.
150	**E43225**
210	**E43351**
240	**E43203**
265	**E43352**
300	**E43226**
450	**E43204**
500	**E43227**

Welding adapter G 3/4 male
E43379



Coaxial pipes for LR level sensors with G 3/4 male, industrial applications

Material: stainless steel (1.4301 / 304)



Process connection	Length [mm]	Order no.
G 3/4	150	**E43230**
	210	**E43354**
	240	**E43211**
	265	**E43355**
	300	**E43228**
	450	**E43212**
	500	**E43229**
	700	**E43213**
	800	**E43336**
	1000	**E43214**
	1200	**E43244**
	1200	**E43215**
	1400	**E43216**
	1600	**E43217**
	2000	**E43356**[3)]
	450, without holes	**E43320**
	1000, without holes	**E43245**
G 3/4	700, slotted	**E43333**
	1200, slotted	**E43334**

[3)] only for sensor type LR2050, LR3020, LR7020, LR8020



Length [mm]	Order no.
700	**E43205**
800	**E43337**
1000	**E43207**
1200	**E43208**
1400	**E43209**
1600	**E43210**
2000	**E43353**[3)]

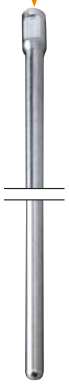
[3)] only for sensor type LR2050, LR3020, LR7020, LR8020

Hygienic level sensor Type LR2750

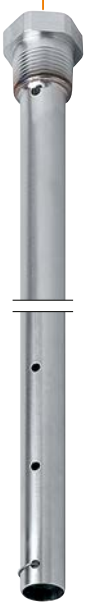


Rods for level sensor LR2750, hygienic

Material: high-grade stainless steel (1.4404 / 316L)



Length [mm]	Order no.
150	**E43345**
300	**E43346**
500	**E43340**
700	**E43347**
1000	**E43341**
1500	**E43348**
2000	**E43342**



Process connection	Length [mm]	Order no.
3/4" NPT	240	**E43377**
	450	**E43218**
	700	**E43219**
	1000	**E43220**
	1200	**E43223**
	1400	**E43224**
	1600	**E43221**
	2000	**E43378**[3)]

[3)] only for sensor type LR2050, LR3020, LR7020, LR8020

For a wide selection of other accessories visit ifm.com



For adapters see pages 32 - 33