



Non-contact level measurement

Radar sensor for open and closed containers

- Level measurement with millimetre precision up to 10 metres
- Non-contact measuring principle, therefore no problems from deposits or wear
- Direct measurement or through non-metallic walls
- Remote sensor parameter setting and level monitoring via connection to the IT system



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Process connection	Outputs	Frequency range [GHz]	Order no.
G1	2 switching outputs or 1 switching and 1 analogue output 4...20 mA	77-81	LW2120
G1	2 switching outputs or 1 switching and 1 analogue output 4...20 mA	76-77	LW2160*

*Available for India and Malaysia

Precise measurement on open and closed tanks and containers

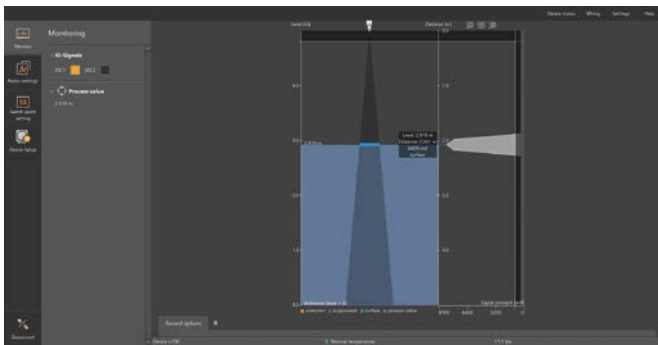
The LW2120 radar level sensor measures levels of liquid media up to 10 metres precisely and without blind areas. The 80 GHz frequency used ensures stable and precise measurement results, even in the presence of steam or condensate in the tank for example.

With the antenna extension, available as an accessory, the sensor may also be used outside closed metal tanks, for example on open tubs.

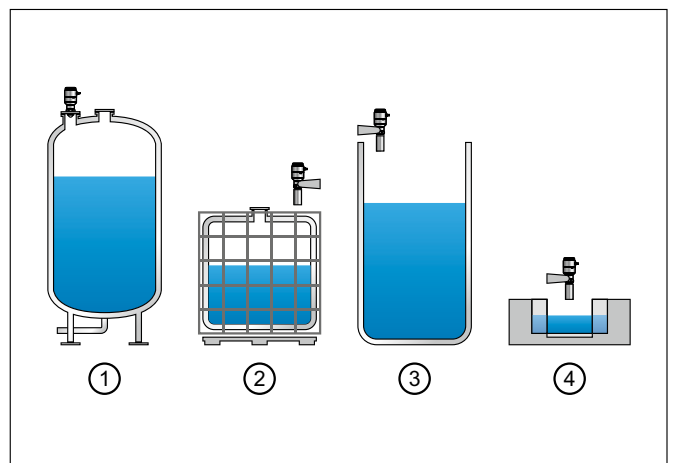
The radar measuring system can also penetrate through non-metallic walls, allowing the level sensor to be easily mounted above plastic tanks such as IBC containers.

View measurement behaviour in real time

The freely available Vision Assistant software enables intuitive set-up of the sensor and clear visualisation of the process values. The behaviour of the sensor can be viewed in real time and reliable measurement ensured.



Common technical data		
Measuring range	[m]	0.01...10
Measuring accuracy	[mm]	± 2
Measuring principle		FMCW (80 GHz)
Protection rating		IP69K



- 1) Storage tank
- 2) Plastic container
- 3) Outside use
- 4) Flow measurement
Flow rate measurement in Venturi flumes (e.g. Parshall, Khafagi-Venturi) can also be implemented with the radar sensor.

BEST FRIENDS

We reserve the right to make technical alterations without prior notice. - 02.2024
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Antenna extension
For use of the sensor outside closed tanks



moneo|RTM
Analysis software for simple condition monitoring



IO-Link interface
For setting the parameters of IO-Link devices on the PC



For further technical details, please visit:
ifm.com/fs/LW2120