



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	Order no.
G1	2 switching outputs or 1 switching and 1 analogue output 4...20 mA	LW2120

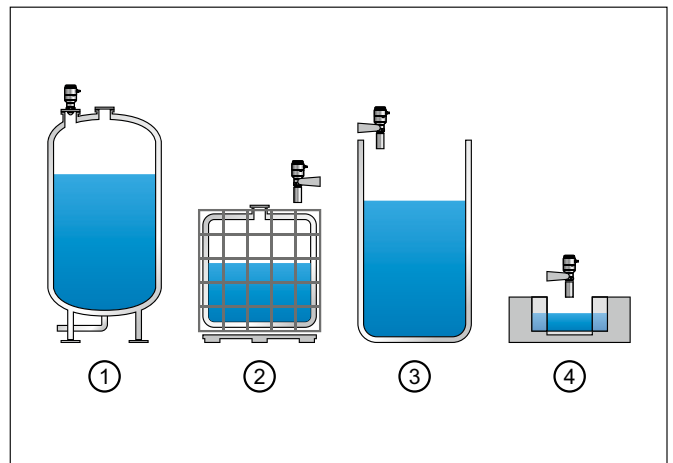
Precise measurement on open and closed tanks and containers

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.

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 rate measurement
A flow rate measurement in Venturi flumes (e.g. Parshall, Khafagi-Venturi) can also be implemented with the radar sensor.

BEST FRIENDS

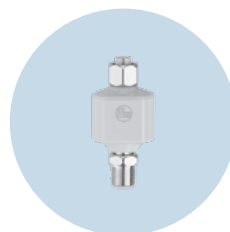
We reserve the right to make technical alterations without prior notice. - 04.2023
ifm electronic gmbh · Friedrichstr. 1 · 45128 Essen



moneo|RTM
Analysis software for simple condition monitoring



moneo|blue
Manage IO-Link devices conveniently via smartphone app



Bluetooth mesh
Connection to the IT level without complex wiring



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