BALLUFF

Wide range of applications – for liquids and solids

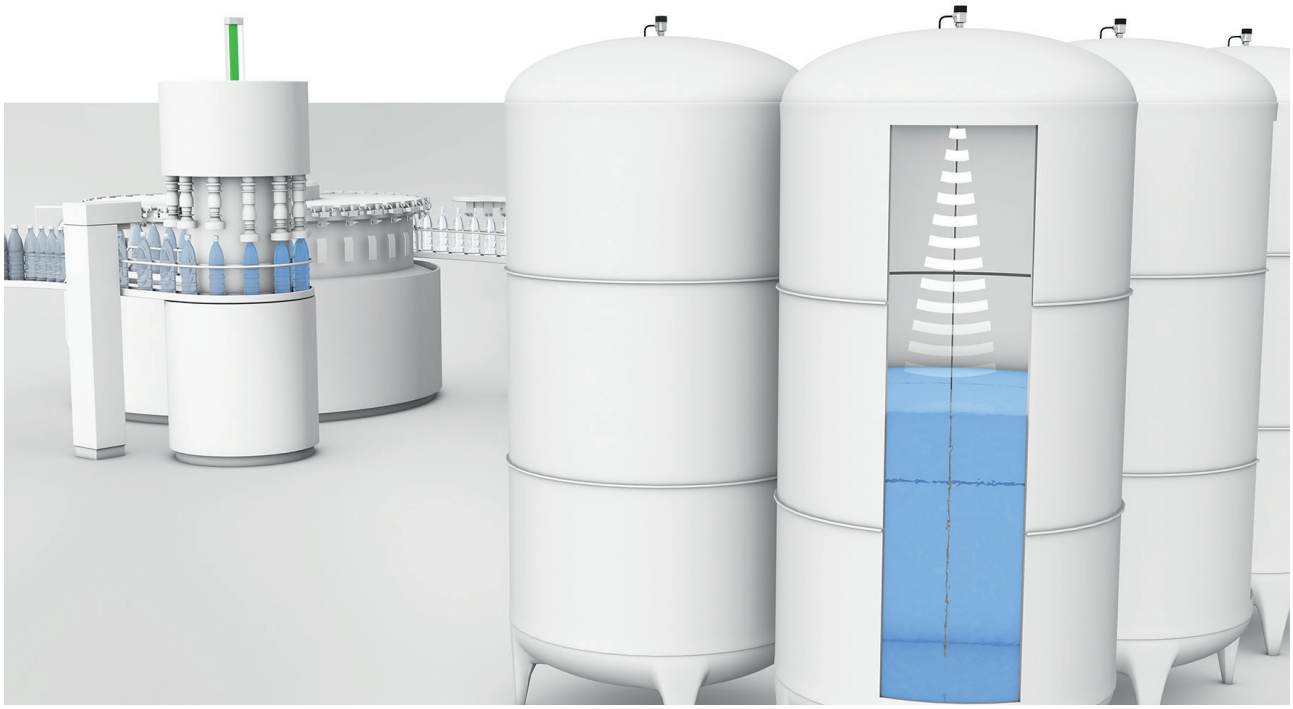
CONTINUOUS LEVEL MEASUREMENT WITH GUIDED RADAR SENSORS

You can use guided radar sensors for level measurement in liquids and solids as well as for measuring separating layers. The guided radar pulses along the probe ensure precise and stable measurement even with dust-forming and foamy media. With a measuring length of up to 75 m, these sensors enable a wide range of applications, from small filling tanks to large storage tanks – anything is possible.

Their measuring principle and mechanical design make these guided radar sensors predestined for use in harsh environments. The hygienic versions are ideal for pharmaceutical and food and beverage applications. The certified sensors can also be used in explosion hazard areas typically found in refineries and chemical processing.

Features

- Precise, absolute level measurement
- Suitable for liquids and solids
- Wear- and maintenance-free
- High durability and long service life
- Flexible installation and easy to use
- For explosion hazard areas, SIL2 certified, for use in hygienic applications



BMD RADAR
SENSORS

	BMD001R	BMD001Y
Analog output	4…20 mA	4…20 mA
Interface	HART	HART
Reproducibility absolut	±1 mm	±1 mm
Non-linearity max.	±2 mm	±2 mm
Cycle time min.	500 ms	500 ms
Operating voltage U_B	16…35 V DC	16…35 V DC
Ambient temperature	–40…+80 °C	–40…+80 °C
Housing material	stainless steel	stainless steel
Degree of protection as per IEC 60529	IP66, IP68	IP66, IP68
Connection	M20×1.5	M20×1.5
Approval/Conformity	CE, EAC	CE, EAC, ATEX, TÜV, IECEx

BMD RADAR
SENSORS

	BMD001M
Analog output	4…20 mA
Interface	HART
Reproducibility absolut	±1 mm
Non-linearity max.	±2 mm
Cycle time min.	500 ms
Operating voltage U_B	16…35 V DC
Ambient temperature	–40…+80 °C
Housing material	stainless steel
Degree of protection as per IEC 60529	IP66, IP68
Connection	M20×1,5
Approval/Conformity	CE, EAC, FDA compliant

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