



NivoRadar[®] 4000

Radar level transmitter

Continuous level measurement of bulk solids and liquids across most industrial sectors with the compact 80 GHz FMCW radar. The non-contact radar sensor is ideal for use in potentially explosive areas.



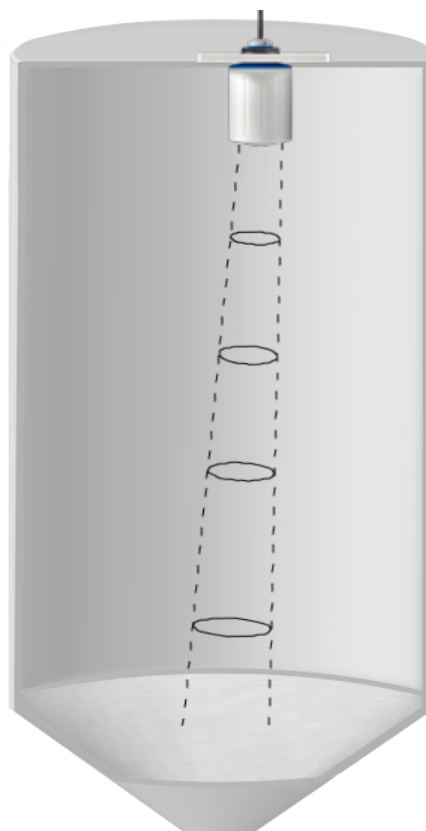
NivoRadar® 4000

Configuration via
UWT LevelApp



- 80 GHz Technology
- 4° beam angle
- High precision measurement
- Process temperature up to 80 °C
- Potted PVDF housing
- Fast reaction time
- Various mounting accessories
- Easy installation and commissioning
- Excellent price/performance ratio

Applications: Thanks to the high degree of ingress protection for bulk solids applications, the radar is ideal across all industrial sectors. The measurement is carried out up to the antenna with no blocking distance in the upper zone. Due to the measuring range of 30 metres, the sensor is the perfect solution for medium-sized silos and can also be used outdoors on free-standing stockpiles. The free-radiating radar sensor has a fast response time and can also be configured via mobile devices and the UWT LevelApp.



Non-contact level transmitter

Mounting thread version



Mounting flange version



Technical Data

Housing	PVDF IP66/ IP68, Type 6P
Certificates	ATEX, IEC-Ex, cFMus, UKCA, INMETRO, KCs (Gas, dust explosion protection) WHG
Measuring range	30m
Measurement accuracy	±2 mm
Pressure range	-1 .. +3 bar (-14.5 .. +43.5 psi)
Supply voltage	12 - 35 V DC
Process connection	NPT 1", R 1", G 1" Mounting flange > DN 80 / 3" Adjustable flange, adjustable seal
Process temperature range	-40 °C .. +80 °C (-40 °F .. 176 °F)
Signal output	4...20 mA, 2-conductor
Communication	HART
Sensitivity	DK value ≥ 1.1
Material sensor	PVDF, FDA registered
Frequency	80 GHz FMCW