



NivoRadar[®] 7000

Radar level transmitter

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



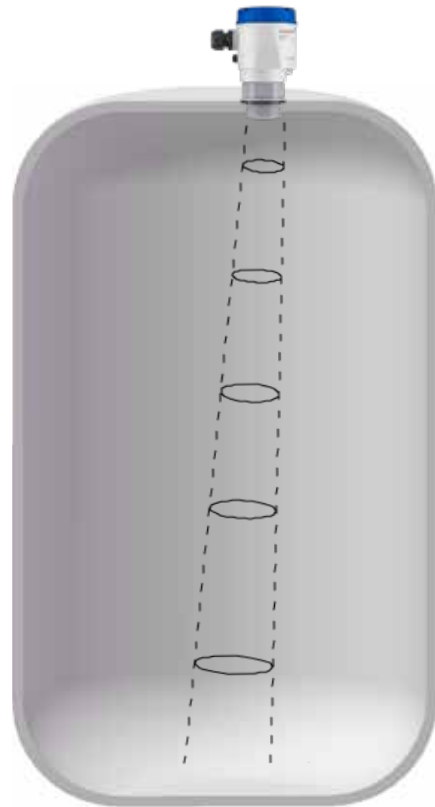
NivoRadar® 7000

Configuration via
UWT LevelApp



- 80 GHz Technology
- 8° beam angle
- High precision measurement
- Process temperature up to 80 °C
- Compact 1 ½" process connection (PVDF)
- Fast reaction time
- Various mounting accessories
- Easy installation and commissioning
- Excellent price/performance ratio

Applications: Thanks to the high degree of ingress protection and the durable materials, the sensor is ideal for liquid applications and can also be used in smaller bulk solids silos. The measurement is carried out up to the antenna with no blocking distance in the upper zone. The sensor values can be set or read directly on the device via the optional LED display. The free-radiating radar sensor has a fast response time and can also be configured via mobile devices and the UWT LevelApp.



NR 7100

Version without display
Measuring range up to 8 m



NR 7200

Version with display
Measuring range up to 15 m



Technical Data

Housing	PVDF IP66/ IP67, Type 4X
Certificates	ATEX, IEC-Ex, cFMus, UKCA, INMETRO, KCs (Gas explosion protection) WHG
Measuring range	8 m / 15 m
Measurement accuracy	±2 mm
Pressure range	-1 .. +3 bar (-14.5 .. +43.5 psi)
Supply voltage	12 - 35 V DC
Process connection	NPT 1 ½", R 1 ½", G 1 ½" Mounting accessories, 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