

UWT

LEVEL. UP TO THE MAX.



6 YEARS
GUARANTEE
APPROVED
QUALITY

NivoRadar® 7000

RADAR SENSOR

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



- 8° beam angle
- High precision measurement
- Compact 1 1/2" process connection (PVDF)
- Fast reaction time
- Various mounting accessories
- Easy installation and commissioning
- Excellent price/performance ratio
- Configuration via UWT LevelApp

NR 7100

Version without display

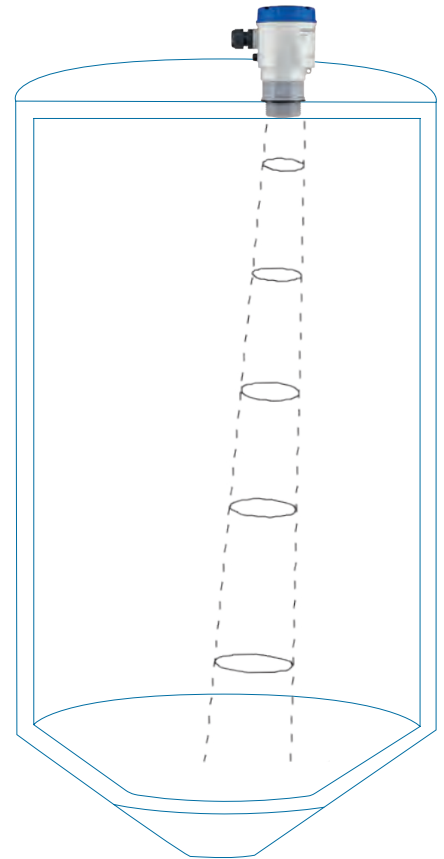
Measuring range up to 8 m



NR 7200

Version with display

Measuring range up to 15 m



TECHNICAL DATA

Housing	PVDF IP66/ IP67, Type 4X
Certificates	ATEX, IEC-Ex, cFMus, UKEX, INMETRO, KC, FCC, IC (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 1/2", R 1 1/2", G 1 1/2" Mounting accessories, adjustable seal
Process temperature range	- 40 °C .. + 80 °C (- 40 °F .. +176 °F)
Signal output Communication	4...20 mA, 2-wire HART
Sensitivity	DK value ≥ 1,1
Material sensor	PVDF, FDA registered
Frequency	80 GHz FMCW

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 container. 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.