

UWT

LEVEL. UP TO THE MAX.



6 YEARS
GUARANTEE
APPROVED
QUALITY

NivoRadar® 4000

RADAR SENSOR

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

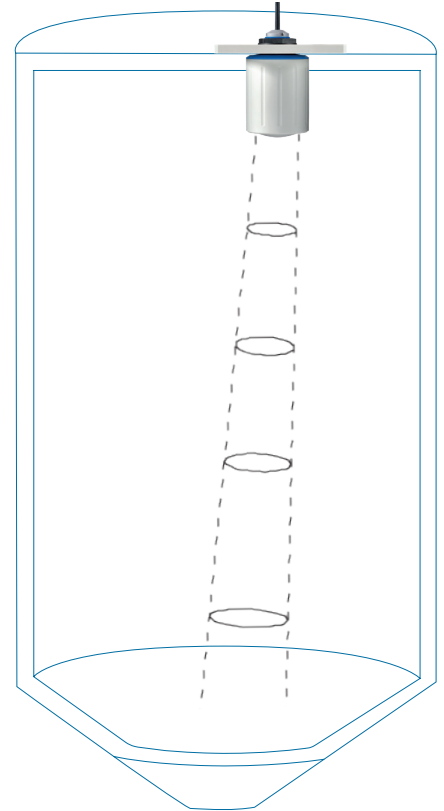


- 4° beam angle
- High precision measurement
- Potted PVDF housing
- Fast reaction time
- Various mounting accessories
- Easy installation and commissioning
- Excellent price/performance ratio
- Configuration via UWT LevelApp

Mounting thread
version



Mounting flange
version



TECHNICAL DATA

Housing	PVDF IP66/ IP68, Type 6P
Certificates	ATEX, IEC-Ex, cFMus, UKEX, INMETRO, KC, FCC, IC (Gas, dust explosion protection) WHG
Measuring range	30 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", 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

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. He is also used outdoors on stockpiles.