

LEVEL. UP TO THE MAX.



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



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 -40 °C ..

range

-40 °C .. +80 °C (-40 °F .. +176 °F)

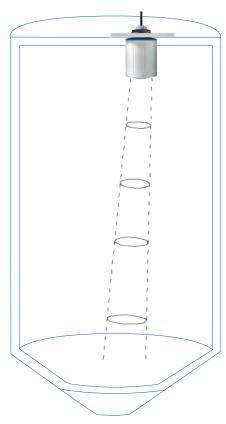
Signal output 4...20 mA, 2-conductor

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.