

LEVEL. UP TO THE MAX.





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 1½" 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 Measuring range up to 15 m

NR 7200 Version with display







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)

12 - 35 V DC Supply voltage

NPT 11/2", R 11/2", G 11/2" Process connection

Mounting accessories,

adjustable seal

Process temperature

range

- 40 °C .. + 80 °C (- 40 °F .. +176 °F)

Signal output

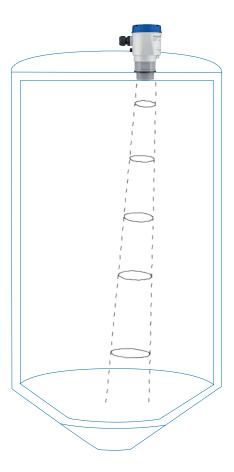
4...20 mA. 2-wire

Communication HART

DK value ≥ 1,1 Sensitivity

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.