LEVEL. UP TO THE MAX.

6 YEARS GUARANTEE

APPROVED QUALITY

NivoRadar® 3000

RADAR SENSOR

The multifunctional 80 GHz radar sensor, available in two-wire and four-wire technology, provides continuous, non-contact level measurement for bulk solids and works very precisely, even in difficult media.

NivoRadar® 3000

- 3° narrow beam angle
- High precision measurement, up to 120 m
- Easy configuration via plug-on display, UWT LevelApp, and PACTware
- Plastic horn antenna, threaded antenna, lens antenna
- Integrated lens cleaner

NR 3100
Plastic
horn antenna

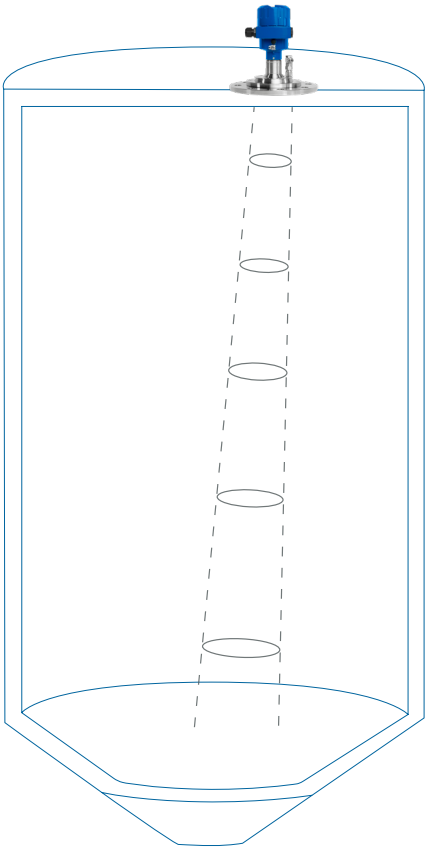
NR 3200
Threaded
antenna

NR 3300
Lens
antenna

Plug-on
display

NR 3300
with high-
temperature
standpipe

1.200 °C



TECHNICAL DATA

Housing	Aluminium | Stainless steel 1.4404 IP 66/68, Type 6P
Certificates	CE, GP, ATEX, IECEx, cFMus, INMETRO, NEPSI
Measuring range/ tolerance	120 m (393.7 ft.) ± 1 mm (± 0.04 in)
Pressure range	40 barg (580.2 psig)
Supply voltage	12 ... 35V DC 90 ... 253V AC
Process connection	Thread > 1 ½" (G | NPT) Compression- / Adapter flange DN80 | 3" Fixed flange DN80 | 3" Adjustable flange DN100 | 4"
Process temperature range	-55 °C .. +250 °C / +1,200 °C with standpipe (-67 °F .. +482 °F / +2,192 °F with standpipe)
Signal output/ Communication	4...20 mA/HART (2-wire) 4...20 mA/HART (4-wire) Modbus
Configuration	Display, UWT LevelApp, PACTware
Antenna material	PP-GF30, PEEK
Frequency	80 GHz FMCW

Due to the narrow beam angle, there are virtually no interference signals at the mounting nozzle, and bulk materials with material cones are optimally reflected.

The alignment unit allows the beam to be fixed on the desired point, e.g., the silo discharge point.

UWT LevelApp
Wireless sensor setting

Google Play

Apple Store

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12.24