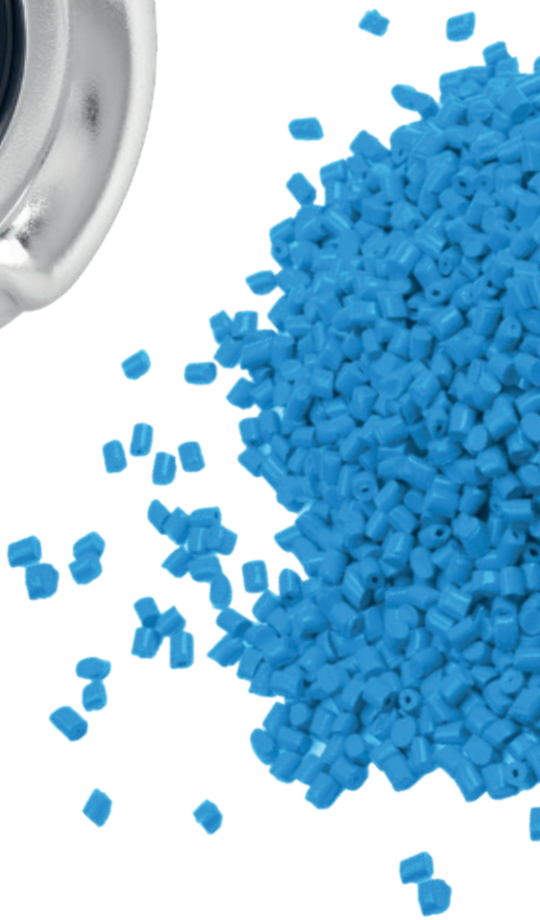
UWT
LEVEL CONTROL

6 YEARS GUARANTEE

APPROVED QUALITY



NivoRadar® 3000

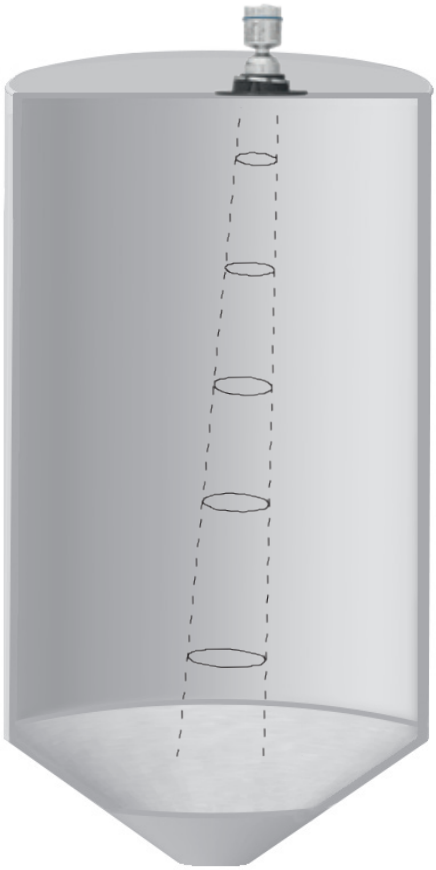
Radar level transmitter

The multifunctional FMCW radar level transmitter for continuous monitoring of solids and liquids with two-wire technology – total reliability, even within difficult media. Certified for hazardous locations.

SOLUTIONS

NivoRadar® 3000

- 78 GHz Technology
- 4° beam angle
- Measuring range up to 100 m
- High precision measurement
- Easy to install and setup
- Process temperature up to 200 °C
- Lens antenna and mounting flange are flush
- Integrated lens cleaner
- Simple, six-step commissioning

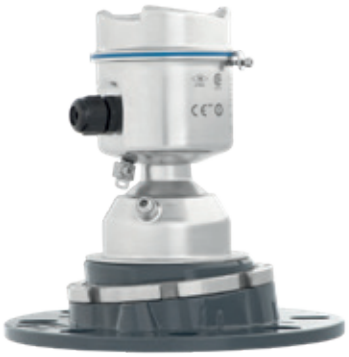


Application: The robust stainless steel construction makes the NR 3000 extremely suitable for all kinds of industrial applications. The unit operates at a high frequency of 78 GHz thus achieving a very small beam angle which eliminates any signal interference at the flange but allows optimum reflection of the bulk solids material. The aiming flanges can be adjusted to ensure a perfect positioning of the NR 3000, ie the angle of the beam can be set to a specific point, for example the outlet of the silo. The lens antenna is highly resistant to material deposits and offers a self-clean function for extremely sticky solids using an air flush connection. The plug in display allows programming and diagnostics on-site making the installation and operation of the unit as easy as child's play.

Non-contact level transmitter

Flat flange

Aiming flange



Technical Data

Housing	Stainless steel 1.4404 IP 68 (316L)
Certificates	ATEX, IECEx, FM / CSA, TR-CU (Dust explosion-proof, Non-sparking / Non-ignitable)
Measuring range/ tolerance	40 m / 100 m ±0.25%
Pressure range	3 bar g (40 psi g) max.
Supply voltage	24 V DC (max. DC 30 V)
Process connection	Flat flange stainless steel 316L 80-150 mm (3" - 6"), aiming flange aluminium diecast 80-150 mm (3" - 6")
Process temperature range	-40 °C up to +200 °C
Signal output	4…20 mA, 2-conductor
Communication	HART
Sensitivity	From DC value 1.6
Material lens antenna	PEI, PEEK
Frequency	78-79 GHz FMCW

SOLUTIONS

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