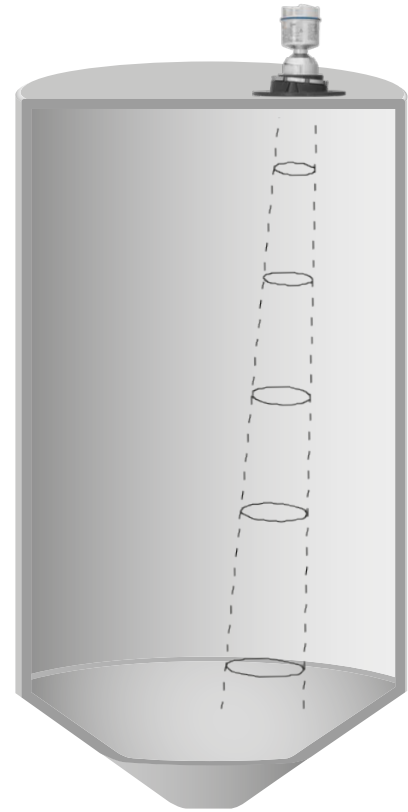


NivoRadar®

Radars Sensor for SOLIDS



A high frequency signal is transmitted with a very small beam angle with a two-wire technology. It is reflected by the bulk material and received back to the sensor. The frequency difference, which is directly proportional to the distance, is then further processed and output as the level signal. The small beam angle makes the use in tall tight silos possible and facilitates the installation and alignment of the sensor.



NR 3000 Flange versions

Flat flange



Aiming flange



Functions

Electronics with
78GHz frequency

Integrated
lens cleaner

Aiming flange
up to max. 10°



Signal processing with
Process-Intelligence-
Software

Lens antenna with
4° beam angle

Programming module



Plug-on-display:

Programming
Input starting parameters
Display level and diagnostic data

Our Solutions for:

- Very light material
- Various application industries
- Dusty environment
- Measurement range of up to 100m
- Use within tight, high silos
- Optimum reflection of the bulk solids material
- Corrosion resistance for aggressive material
- High process temperature
- Perfect positioning
- Explosive environments

Special Features:

- ✓ Signal processing with Process-Intelligence-Software
- ✓ 2-wire instrument
- ✓ High sensitivity ($DK \geq 1.6$)
- ✓ 78 GHz technology
- ✓ 4° beam angle
- ✓ Lens antenna and mounting flange are flush
- ✓ Integrated lens cleaner
- ✓ Robust stainless steel housing IP68
- ✓ Aiming flange model
- ✓ Temperature solution up to +200°C
- ✓ Plug-on-display
- ✓ Quick Start Wizard
- ✓ Simple, six-step commissioning