

# UWT

LEVEL. UP TO THE MAX.



**6** YEARS  
GUARANTEE  
APPROVED  
QUALITY

## NivoRadar® 3000

### RADAR SENSOR

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

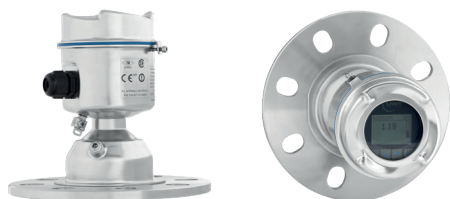


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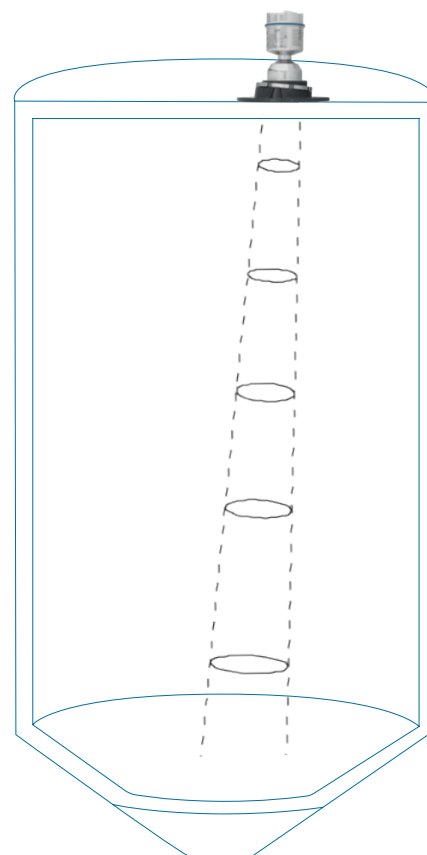
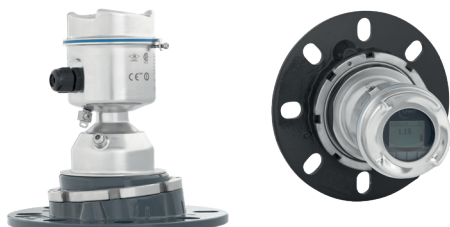


- 4° beam angle
- High precision measurement
- Lens antenna and mounting flange are flush
- Integrated lens cleaner
- Simple, six-step commissioning (with Plug-in display)

Flat flange version



Aiming flange version



## TECHNICAL DATA

Housing	Stainless steel 1.4404 IP 68 (316L)
Certificates	ATEX, IECEx, FM / CSA, TR-CU, UKEX, FCC, IC, (Dust explosion-proof, Non-sparking / Non-ignitable)
Measuring range/ tolerance	40 m or 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 .. +200 °C (-40 °F .. +392 °F)
Signal output	4...20 mA, 2-wire
Communication	HART
Sensitivity	From DK value 1.6
Material lens antenna	PEI, PEEK
Frequency	78-79 GHz FMCW

Due to the narrow beam, there is almost no interference noise at the mounting nozzle and thus optimum echo of bulk materials with material cones. The alignment unit can be used to align the beam to the desired point, e.g. the silo outlet.