

LEVEL. UP TO THE MAX.



## 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.





















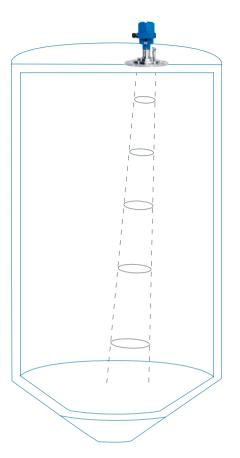


## NivoRadar® 3000



- 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





## 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 1/2" (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.