

UWT

LEVEL. UP TO THE MAX.



6 YEARS
GUARANTEE
APPROVED
QUALITY

NivoRadar® 8000

RADAR SENSOR

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



NivoRadar® 8000



- 3° narrow beam angle
- High precision measurement, up to 120 m
- Simple configuration via plug-on display, UWT LevelApp, and PACTware
- Plastic horn antenna, threaded antenna, PTFE-encapsulated antenna, hygienic antenna

NR 8100
Plastic horn
antenna



NR 8200
Threaded
antenna



NR 8500
High-temperature
version



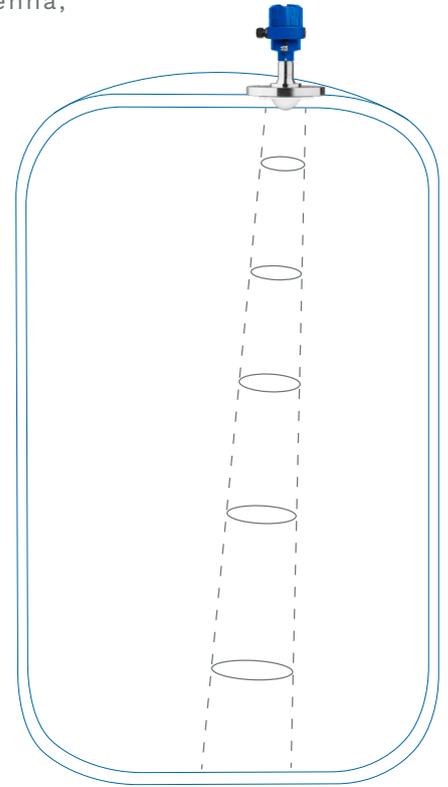
NR 8300
PTFE-
encapsulated
antenna



NR 8400
Hygienic
antenna



Plug-on
display



TECHNICAL DATA

Housing	Aluminium Stainless steel 1.4404 IP 66/68, Type 6P
Certificates	CE, GP, ATEX, IECEx, cFMus, INMETRO, NEPSI (Ex t, Ex d, Ex i)
Measuring range/ tolerance	120 m (393.7 ft.) ± 1 mm (± 0.04 in)
Pressure range	160 barg (2,320 psig)
Supply voltage	12 ... 35V DC 90 ... 253V AC
Process connection	Thread > 3/4" (G NPT) Compression- / Adapter flange DN80 3" Flange > DN25 1" Hygienic connections
Process temperature range	-196 °C .. +450 °C (-321 °F .. +842 °F)
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, PTFE, Ceramic
Frequency	80 GHz FMCW

Due to the narrow beam angle, there is virtually no interference at the mounting nozzle, and liquids are optimally reflected.

UWT LevelApp
Wireless sensor setting



Google Play



Apple Store