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

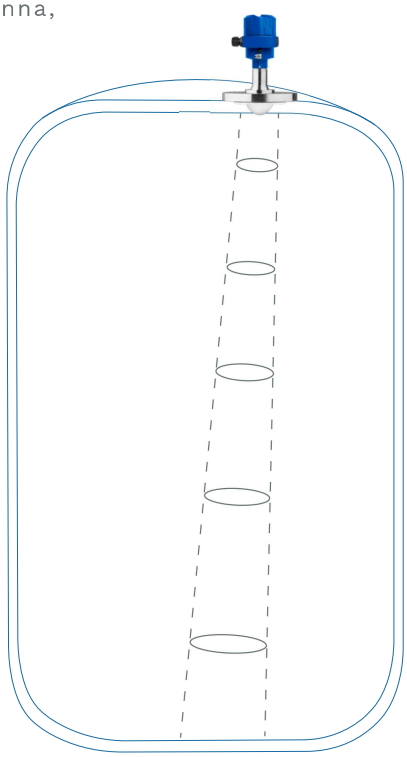


NR 8400
Hygienic antenna



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.

08.24

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