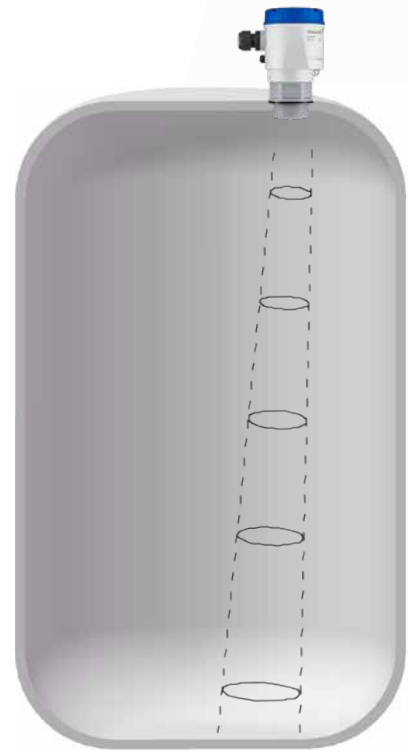


# NivoRadar®

Configuration via  
UWT LevelApp

## Radar Sensor for LIQUIDS

A high frequency signal is transmitted with a very small beam angle with two-wire technology. The signal 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 sensor is ideal for use in water treatment tanks and, due to its design, is also suitable for acids and alkalis. It is also possible for measurement to be made through the tank top of plastic containers.



### NR 7100

#### Without Display

Measuring range up to 8m



### NR 7200

#### With Display

Measuring range up to 15m



#### Plug on Display:

Optional display for setting and reading the sensor values directly on the device



## Our Solutions for:

- Highly viscous liquids
- Very strong caking
- Steam, outgassing and condensation
- Use in process and storage tanks up to 15m
- Precise measurement readings in conveying materials
- Corrosion resistance in aggressive materials
- Potentially explosive areas
- Individual positioning of the sensor

## Special Features:

- ✓ 2-wire technology
- ✓ Lens antenna is flush
- ✓ Compact with 1 1/2" connection thread (PVDF)
- ✓ Various mounting accessories
- ✓ Measurement up to the antenna tip (no blocking distance)
- ✓ High sensitivity (DK value  $\geq 1.1$ )
- ✓ 80 GHz technology
- ✓ 8° narrow beam angle
- ✓ Potted electronics
- ✓ Ingress protection IP66/ IP67
- ✓ Temperature solution -40 °C to +80 °C
- ✓ High measurement accuracy ( $\pm 2\text{mm}$ )
- ✓ Quick-Start Wizard
- ✓ WHG certification