



6 YEARS
GUARANTEE
APPROVED
QUALITY

NivoBob® 3000

Microprocessor controlled level measuring system

The multifunctional unit for discontinuous level monitoring in bulk goods and for interface applications – very precise, even suitable for problematic media, also for use in hazardous locations

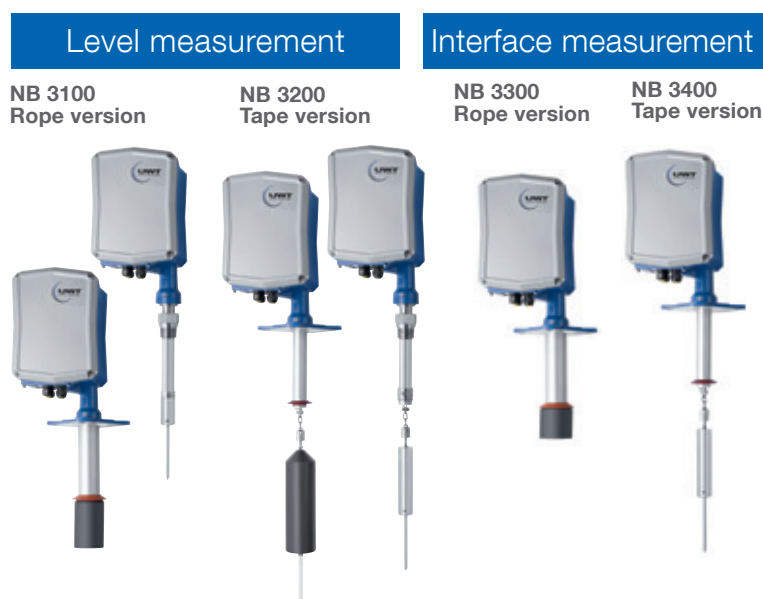


NivoBob® 3000



- Microprocessor controlled measurement, intelligent monitoring
- Easy installation; variety of process connections (flange and thread)
- Unaffected by material properties such as conductivity, dust, di-electricity

Application: NivoBob® is used for discontinuous level measurement in silos and vessels. It provides extremely reliable measuring results in solids as well as in interface applications. NivoBob® offers different output signals: 0/4-20 mA or communication via Modbus or Profibus DP.



Technical Data

Model	NB 3100 / 3200	NB 3300 / 3400
Housing	Aluminium IP66 (Type 4)	
Pressure	Max. +1.7 bar (+25 psi)	
Supply voltage	AC version: 98...253 V 50-60 Hz DC version: 20...28 V	
Measuring range	Rope version max. 30 m; tape version max. 50 m	
Signal output / Communication	0/4-20mA; relay counting pulse; Modbus; Profibus DP	
Certificates	ATEX, FM, TR-CU (Dust explosion-proof)	CE; FM general purpose
Process temperature	-40°C up to +250°C (-40°F up to +482°F)	-40°C up to +80°C (-40°F up to +176°F)
Sensitivity	From 20 g/l (1.2 lb/ft³) depending on sensor weight	-
Process connection	Flange DN100 PN16 Flange 4" 150 lbs Flange 2" and 3" 150 lbs Thread R 1½" Thread NPT 1½" Thread NPT 3"	Flange DN100 PN16 Flange 4" 150 lbs

Interior view

View rope/tape chamber



View electronic chamber



Sensor weights





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NivoBob® 4000

Microprocessor controlled level measuring system

Cost-effective level measurement system for reliable level monitoring in bulk goods - for different materials; also for use in hazardous locations



NivoBob® 4000



- Sensational cost/performance ratio
- Unaffected by material properties such as conductivity, dust, di-electricity
- Easy installation - also for direct mounting on an inclined silo roof
- Maintenance free

Application: NivoBob® 4000 is used in many various bulk goods. It is particularly suitable for the building, animal feed and grain industry.

Types of NivoBob® flanges for level measurement:

NB 4100

Rope version
DN 100 flange
PVC sensor
weight



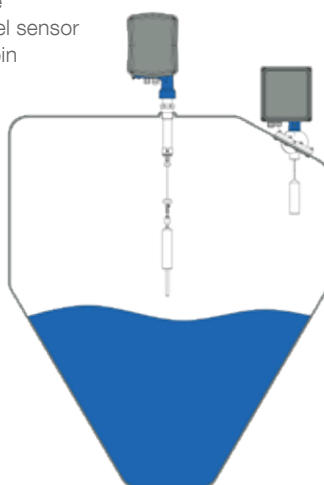
NB 4200

Tape version
Thread connection
Stainless steel
sensor weight



NB 4100

Rope version
Aiming flange
Stainless steel sensor
weight with pin



Technical Data

Type	NB 4100 / NB 4200 (rope / tape version)
Housing	Aluminium IP66 (Type 4)
Pressure	Max. +0.2 bar (+3.0 psi)
Supply voltage	AC version: 230 V or 115V 50-60 Hz DC version: 20...28 V
Measuring range	Max. 30m
Signal output/ Communication	4-20 mA; relay for counting pulse; Modbus; Upper stop position, error
Approvals	ATEX, FM, TR-CU (Dust explosion-proof)
Process temperature range	-40 °C up to +80 °C (-40 °F up to +176 °F)
Sensitivity	From 20 g/l (1.2 lb/ft³) dep. on sensor weight
Process connection	Flange DN100 PN16 Flange 4" 150 lbs Flange 2" and 3" 150 lbs Flange R 1½" Thread NPT 1½" Thread NPT 3" (adapter) Aiming flange 0° - 50°

Interior view

Rope/tape chamber



Electronic chamber



Sensor weights



Aiming flange

