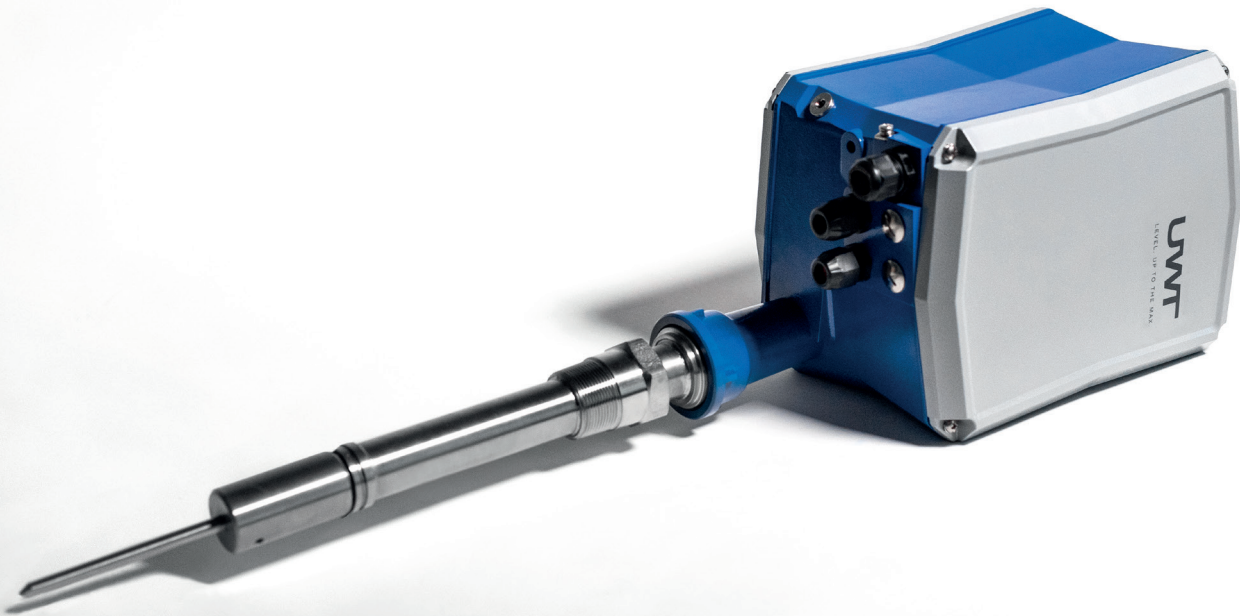


UWT

LEVEL. UP TO THE MAX.



6 YEARS
GUARANTEE
APPROVED
QUALITY

NivoBob® 3000

ELECTROMECHANICAL PLUMB BOB

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® 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.



NivoBob® 3000



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

Level measurement

NB 3100
Rope



NB 3200
Tape

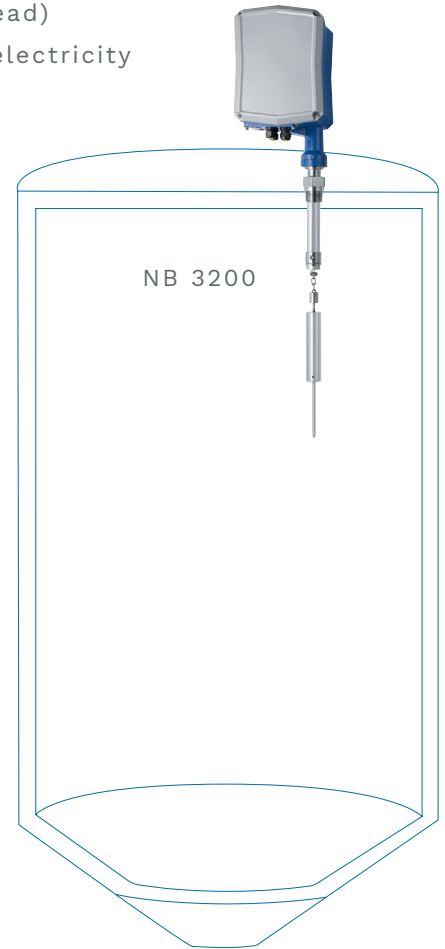


Interface measurement

NB 3300
Rope

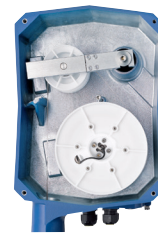


NB 3400
Tap



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 max. 30 m; Tape max. 50 m	
Signal output/ Communication	0/4-20mA; relay counting pulse; Modbus; Profibus DP	
Certificates	ATEX, FM, TR-CU, UKEX (Dust explosion-proof)	CE; FM general purpose
Process temperature	-40 °C .. +250 °C (-40 °F .. +482 °F)	-40 °C .. +80 °C (-40 °F .. +176 °F)
Sensitivity	From 20 g/l (1.2 lb/ft ³) depending on sensor weight	-
Process connection	Flange DN100 PN16 Flange 4" 150 lbs Flange 2" und 3" 150 lbs Thread R 1½" Thread NPT 1½" Thread NPT 3"	Flange DN100 PN16 Flange 4" 150 lbs



View rope/tape chamber



View electronic chamber

Different sensor weights



UWT

LEVEL. UP TO THE MAX.



6 YEARS
GUARANTEE
APPROVED
QUALITY

NivoBob® 4000

ELECTROMECHANICAL PLUMB BOB

Cost-effective level measurement system for reliable level monitoring in bulk goods - for different materials; also for use in hazardous locations. NivoBob® 4000 is used in many various bulk goods. It is particularly suitable for the building, animal feed and grain industry.



NivoBob® 4000



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

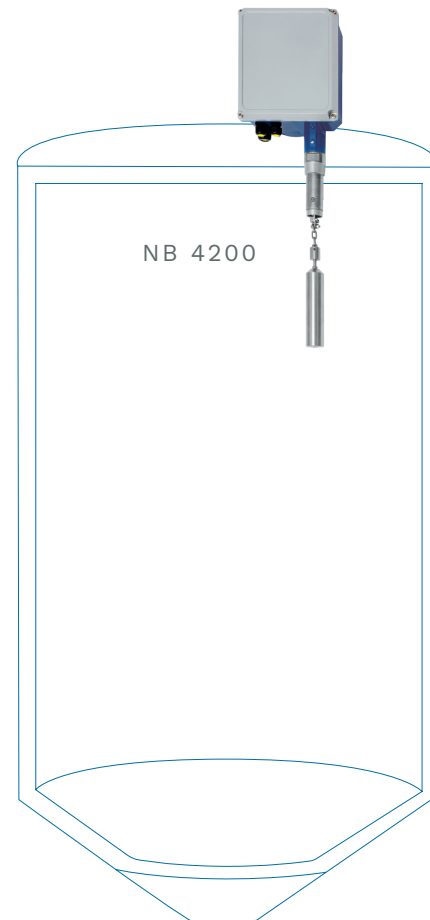
NB 4100
Rope version
DN 100 flange
PVC sensor
weight



NB 4200
Tape version
Thread connection
Stainless steel
sensor weigh



NB 4100
Rope version
Aiming flange
Stainless steel
sensor weight
with pin



NB 4200

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: 230 V or 115 V 50-60 Hz DC: 20...28 V
Measuring range	Max. 30 m
Signal output/ Communication	4-20 mA; relay for counting pulse; Modbus; Upper stop position, error
Approvals	ATEX, FM, TR-CU, UKEX (Dust explosion-proof)
Process temperature range	-40 °C .. +80 °C (-40 °F .. +176 °F)
Sensitivity	From 20 g/l (1.2 lb/ft ³) 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°

Mechanical chamber



Electronic chamber



Sensor weights



Aiming flange

