



# Nivobob<sup>®</sup> 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

<b>Type</b>	<b>NB 4100 / NB 4200 (rope / tape version)</b>
<b>Housing</b>	Aluminium IP 66 (Type 4)
<b>Pressure</b>	Max. +0.2 bar (+3.0 psi)
<b>Supply voltage</b>	AC version: 230V or 115V 50-60Hz DC version: 20...28V
<b>Measuring range</b>	Max. 30m
<b>Signal output/ Communication</b>	4-20mA; relay for counting pulse; Modbus; Upper stop position, error
<b>Approvals</b>	CE; ATEX II 1/2 D; TR-CU; FM General Purpose and FM Cl. II, III, Div. 1
<b>Process temperature range</b>	-40°C up to +80°C (-40°F up to +176°F)
<b>Sensitivity</b>	From 20g/l (1.2lb/ft³) dep. on sensor weight
<b>Process connection</b>	Flange DN 100 PN16 Flange 4" 150lbs Flange 2" and 3" 150lbs Flange R 1 1/2" Thread NPT 1 1/2" Thread NPT 3" (adapter) Aiming flange 0° - 50°

## Interior view

### Rope/tape chamber



### Electronic chamber



## Sensor weights



## Aiming flange





# 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

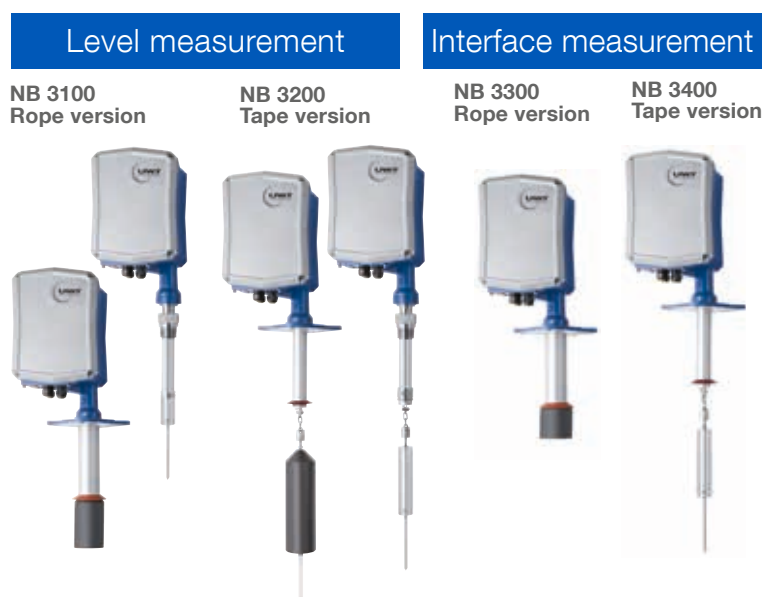


# Nivobob® 3000



- 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: 0/4-20mA or communication via Modbus or Profibus DP.



## Technical Data

Model	NB 3100 / 3200	NB 3300 / 3400
Housing	Aluminium IP 66 (Type 4)	
Pressure	Max. +1.7 bar (+25 psi)	
Supply voltage	AC version: 98...253V 50-60Hz DC version: 20...28V	
Measuring range	Rope version max. 30m; tape version max. 50m	
Signal output/ Communication	0/4-20mA; relay counting pulse; Modbus; Profibus DP	
Certificates	CE; ATEX II 1/2 D FM Cl. II, III, Div. 1, TR-CU	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 20g/l (1.2lb/ft³) depending on sensor weight	-
Process connection	Flange DN 100 PN16 Flange 4" 150lbs Flange 2" and 3" 150lbs Thread R 1 1/2" Thread NPT 1 1/2" Thread NPT 3"	Flange DN 100 PN16 Flange 4" 150lbs

## Interior view

### View rope/tape chamber



### View electronic chamber



## Sensor weights

