



# Nivobob<sup>®</sup> 3300 / 3400

## Interface measurement of sediments in liquids

The electromechanical level measuring instrument Nivobob<sup>®</sup> 3300/3400 detects the level of sludge and solids in liquids e.g. stones, sand, salt, bed ash, etc. - very precise, even suitable for corrosive liquids.



# Nivobob® 3300/3400



## Interface measurement

- Simple installation and commissioning
- Measures almost all interfaces of sludge and solids
- High corrosion resistance through high-quality coatings
- Extra long lifetime due to brushless motor

**Application:** The Nivobob® 3300/3400 is suitable for measurements of sediment levels in liquids. The applications range from sludge level measurements in settling tanks of lime and gravel plants to interface measurements of salt in water.

### NB 3300

#### Interface measurement of sludge

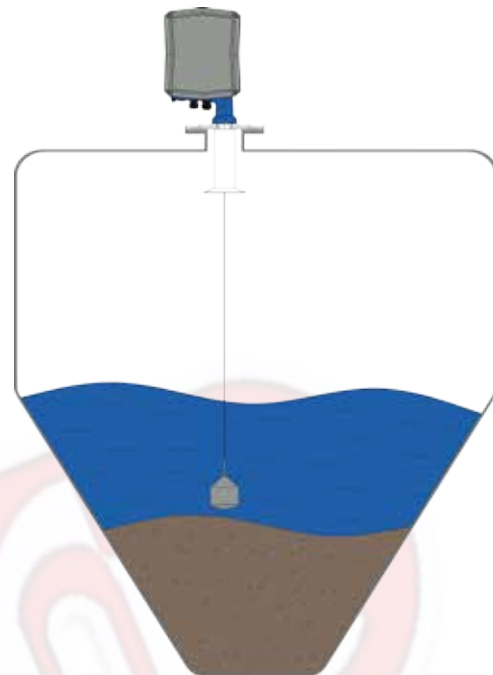
The sensitivity can be adjusted exactly to the consistency of the sludge by coarse and fine adjustment. Parts in contact with the process are plastic coated.



### NB 3400

#### Interface measurement of solids

The resistant tape version fits perfect for applications under extreme conditions and guarantees an extraordinary long lifetime.



### Technical Data

<b>Model</b>	<b>NB 3300 / 3400</b>
<b>Electronics</b>	Processor-controlled; menu-driven parameter input via display, buttons
<b>Housing</b>	Aluminium IP 66 (Type 4)
<b>Pressure</b>	Max. +1.7 bar (+25 psi)
<b>Supply voltage</b>	AC version 98...253V 50-60Hz DC version 20...28V
<b>Measuring range</b>	NB 3300 max. 30m NB 3400 max. 40m
<b>Signal output/ Communication</b>	0/4-20mA; Relais counting pulse; Modbus RTU; Profibus DP
<b>Approvals</b>	CE; FM general purpose
<b>Process temperature</b>	-40°C up to +80°C (-40°F up to + 176°F)
<b>Process connection</b>	Flansch DN 100 PN16 Flansch 4 inch 150lbs

### Electromechanical operating principle

#### View rope/tape chamber



#### View electronic chamber



### Sensor weights

#### NB 3300

The sensitivity of the measurement is adjusted inside the sensor weight with PVC plastic and stainless steel discs for the precise interface.



#### NB 3400

The robust sensor weight with a pin of stainless steel measures accurately the surface of solid interfaces.

