



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

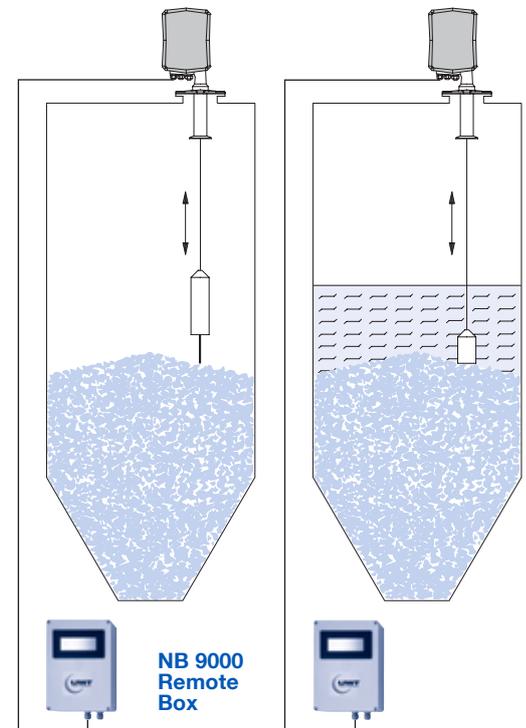


Nivobob[®] 3000



- 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. The complementary Remote Box NB 9000 allows remote programming and analysis for up to 10 units.



Level measurement

NB 3100
Rope version



NB 3200
Tape version



Interface measurement

NB 3300
Rope version



NB 3400
Tape version



Technical Data

Model	NB 3100 / 3200	NB 3300 / 3400
Housing	Aluminium IP 66 (Type 4)	
Pressure	Max. +1.7bar (+25psi)	
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	
Approvals	CE; ATEX II 1/2 D FM Cl. II, III, Div. 1, GostR	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/ft ³) depending on sensor weight	-
Process connection	Flange DN 100 PN16 Flange 4 inch 150lbs Flange 2 and 3 inch 150lbs Thread R 1 1/2 inch Thread NPT 1 1/2 inch Thread NPT 3 inch	Flange DN 100 PN16 Flange 4 inch 150lbs

Interior view

View rope/tape chamber

View electronic chamber



Accessories

