

#### **Rotonivo**®

Rotary Paddle Switch

# RN 3/4/6

Point level measurement

- Universal voltage electronics
- -40 °C to +1,100 °C
- Adjustable sensitivity
- Fail safe alarm

**RFnivo<sup>®</sup>** 

EHEDG applications

**Capacitive Sensor** 

Point level measurement

• Robust version for over-

pressure up to 25 bar

• -40 °C to +500 °C

• EHEDG applications

PROTECTION PLUS

version with anti-

corrosive coating

**RF 3000** 

## **Vibranivo**®

Vibrating Fork

VN 1/2/4/5/6

## Point level and interface measurement

- Very high sensitivity (< 5 g/l - Vibrasil<sup>®</sup>)
- NAMUR Standard
- Level control of
- sediments in liquids • Surface roughness 0.75 µm

## Capanivo<sup>®</sup>

Capacitive Sensor

## **CN 4000**

#### Point level measurement

- Use in metallic and nonmetallic containers possible
- Unaffected by build-up
- Adjustable switching delay
- High chemical resistance

## **Nivobob**<sup>®</sup>

Electromechanical Lot

## NB 3/4

Continuous level and interface measurement

- Suitable for material with changing temperature and humidity
- Integrated tape cleaner
- Unaffected by electrostatic charge
- Service life up to 500,000
   measuring cycles

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#### **NivoRadar®**

Radar Sensor

## NR 3000

Continuous level measurement

- Measurement range of up to 100 m
- 78 GHz technology
- 4° beam angle
- Integrated lens cleaner
- Quick Start Wizard

# LEVEL CONTROL

Mononivo<sup>®</sup>

Vibrating Rod

# MN 4000

Point level measurement

- Coarse-grained granulate
- Compact limit switch with threads from 1"
- Sensitivity adjustable in 4 settings
- Robust version for overpressure up to 16 bar

"Active Shield" Technology

NivoGuide®

Guided Radar

# NG 3000

TDR for continuous level and interface measurement

- Rod and rope extension (up to 75m)
- 4...20mA/Hart
  Robust version
- Robust version for overpressure up to 40 bar
- Unaffected by build-up
  Precise measurement in
- Precise measurement in dusty environment



cal Lot

"Active Shield"

Technology

# Innovative Sensors for Liquids



#### **RFnivo**<sup>®</sup>

#### Capacitive Sensor

## RF 8000

Point level and interface measurement

- High chemical resistance
- Unaffected by build-up
- Robust design
- -40°C to +400°C
- Digital version with LCD

#### "Active Shield" Technology

#### **Capanivo**®

Capacitive Sensor

## **CN 7000**

"Tip Sensitivity" Technology

Point level and interface measurement

- Use in metallic and nonmetallic containers possible
- Unaffected by build-up
- Compact design
- Contact or contact-free detection
- For leakage detection

#### **Capanivo**®

Capacitive Sensor

## CN 8000

Point level and interface measurement

- Use in metallic and nonmetallic containers possible
- Unaffected by build-up
- Detection of broad range of material
- Transistor output, relay, Profibus PA
- For leakage detection



## NivoCapa<sup>®</sup>

Capacitive Sensor

## NC 8000

Continuous level measurement

- Use in non-conductive liquids and foam
- PFA isolation for high chemical resistance
- 2-wire technology with analogue 4...20mA output
- LCD display with control buttons
- Diagnostic functions

#### **NivoGuide®**

Guided Radar

## NG 8000

TDR for continuous level and interface measurement

- 4...20mA/Hart
- Rod and rope extension (up to 75 m)
- Coaxial version optional
- For extremely high pressure up to 400 bar
- Precise measurement in steam, condensate and build-up



#### NivoRadar<sup>®</sup>

Radar Sensor





#### NivoRadar®

Radar Sensor

## NR 4100

#### Mounting thread

• Measuring range up to 30 m



## **Special Features:**

- 2-wire technology
- Compact with 1" connection thread (PVDF)
- Various mounting accessories
- Measurement up to antenna tip (no blocking distance)
- High sensitivity (DK value ≥ 1.1)
- 80 GHz technology
- 4° narrow beam angle

#### Mounting flange

- Measuring range up to 30 m
- Potted PVDF housing
- Ingress protection IP66/ IP68
- Temperature solution -40 °C to +80 °C
- High measurement accuracy (± 2mm)
- Quick-Start Wizard
- WHG certification



## OurSolutions for:

- Highly viscous liquids
- Very strong caking
- Steam, outgassing and condensation
- Use in process and storage tanks up to 15 m
- Precise measurement readings in conveying materials
- Corrosion resistance in aggressive materials
- Potentially explosive areas
- Individual positioning of the sensor

## OurSolutions for:

- Lightest and heavy bulk goods
- Dusty environments
- Condensation and strong caking
- Use in narrow, medium-sized silos up to 30 m
- Optimum reflections of bulk material with material cone
- Corrosion resistance in aggressive materials
- Potentially explosive areas
- Individual positioning of the sensor

