

# UWT

LEVEL. UP TO THE MAX.



**6** YEARS  
GUARANTEE  
APPROVED  
QUALITY

## Rotonivo® 3000 / 6000

### ROTARY PADDLE LEVEL SWITCH

The trusted, multifunctional and maintenance free unit for reliable level monitoring of bulk goods – versatile, modular structure; for application in hazardous locations (gas and dust). RN 6000 series SIL 2 compliant.



# Rotonivo® 3000 / 6000



- Insensitive to dust, electrical charge, adhesion, temperature and pressure
- Simple and reliable measuring principle
- Suitable for virtually all bulk goods
- Easy and fast installation
- High hygiene requirements (EHEDG)

## Types of Rotonivo flanges:

RN ..002  
Full detector  
with rope  
extension or  
protection  
tube, vertical  
installation

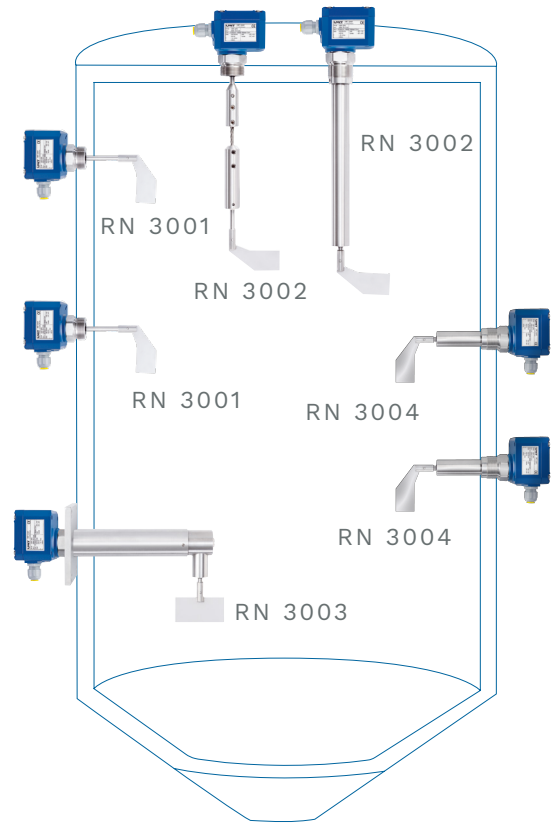


RN ..003  
Design with protection  
tube and angled extension,  
horizontal installation

RN ..001  
Standard  
design,  
vertical,  
horizontal  
and oblique  
installation



RN ..004  
Design with protection  
tube,  
vertical,  
horizontal  
and oblique  
installation



empty detector  
demand detector  
full detector

## TECHNICAL DATA

Housing	Aluminium IP 66 / NEMA Type 4
Pressure range	-0.9 .. +10 bar (-13.1 .. +145 psi)
Supply voltage	Universal Voltage Electronic AC: 24 V / 48 V / 115 V / 230 V, DC: 24 V
Signal output	Microswitch or Relais SPDT / DPDT contact
Certificates	ATEX, IEC-Ex, FM / CSA, TR-CU, INMETRO, CCC-Ex, KCs, SIL 2 (Dust explosion-proof, Flameproof, Increased safety), EHEDG, FDA
Process temperature range	-40 °C .. +110 °C (3001 / 3002) (-40 °F .. +202 °F) (3001 / 3002)
Bearing	Encapsulated ball bearing with shaft sealing
Process connection	G 1", 1½" and 1¼", NPT 1½" and 1¼"; M30x1,5 and M32x1,5; various flanges available
Material Process connection	Aluminium or Stainless steel 1.4305 (SS303) or 1.4404 (SS316L)
Material measuring vane and shaft	Stainless steel 1.4301 (SS304) or 1.4404 (SS316L)

## Housing types

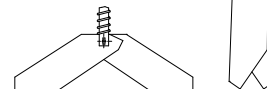


## Various measuring vanes and special solutions



RN 3005  
extra compact version  
for installation in  
loading bellow

Hinged vane  
foldable in long  
mounting sockets



Rubber vane  
for lightweight  
materials (e.g.  
carbon black,  
styrofoam, etc.)

