

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



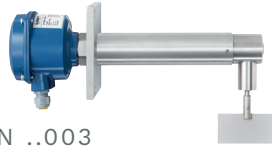
- Insensitive to dust, electrical charge, adhesion, temperature and pressure
- Simple and reliable measuring principle
- Suitable for virtually all bulk goods
- Easy and fast installation

Types of Rotonivo flanges:

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



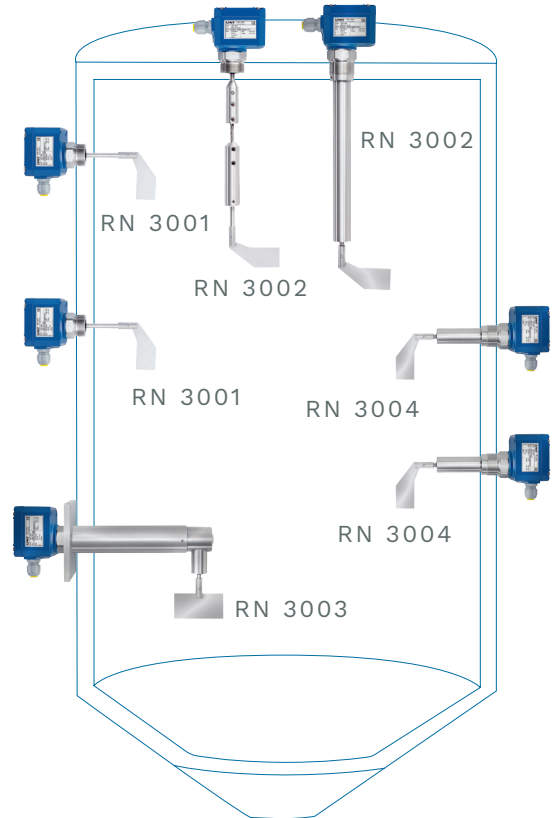
RN ..003
Design with protection
tube and angled extension,
horizontal installation



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



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



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, UKEX, 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

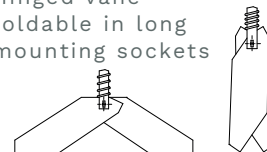


Various measuring vanes and special solutions



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.)

