

# Rotonivo<sup>®</sup> 3000 / 6000

## Rotating level limit 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



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

**Application:** Rotonivo® paddle switches can be used as full, demand or empty detectors in bulk good silos. They are suitable for applications in a wide variety of materials. Rotonivo switches are available with international certificates for applications in hazardous locations (gas and dust).

## Types of Rotonivo flanges:

### Rotonivo ..002

Full detector with rope extension or protection tube, vertical installation



### Rotonivo ..003

Design with protection tube and angled extension, horizontal installation

### Rotonivo ..001

Standard design, vertical, horizontal and oblique installation



### Rotonivo ..004

Design with protection tube, vertical, horizontal and oblique installation



## Technical Data

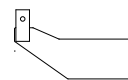
<b>Housing</b>	Aluminium IP 66 / NEMA Type 4
<b>Pressure range</b>	-0.9 up to +10 bar (-13.1 up to +145 psi)
<b>Supply voltage</b>	Universal Voltage Electronic AC: 24V / 48V / 115V / 230V, DC: 24V
<b>Signal output</b>	Microswitch or Relais SPDT / DPDT contact
<b>Versions with certificates</b>	ATEX II 1/2D and II 2G, INMETRO FM Cl. I, II, III, Div.1 Gr. A-G; Zone 1 CSA Cl. I, II, III Div.1 Gr. B-G; Zone 1 TR-CU, IEC Ex, NEPSI-Ex
<b>Process temperature range</b>	-40°C up to +1100°C (3001 / 3002) (-40°F up to +2012°F) (3001 / 3002)
<b>Bearing</b>	Encapsulated ball bearing with shaft sealing
<b>Process connection</b>	G 1", 1½" and 1¼"; NPT 1½" and 1¼"; M30x1,5 and M32x1,5; various flanges available
<b>Material</b>	Aluminium or stainless steel 1.4305 (SS303)
<b>Process connection</b>	or 1.4404 (SS316L)
<b>Material measuring vane and shaft</b>	Stainless steel 1.4301 (SS304) or 1.4404 (SS316L)

## Housing types



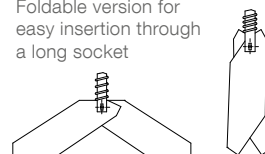
## Various measuring vanes and special solutions

### Boot shaped vane



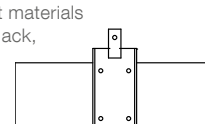
### Hinged vane

Foldable version for easy insertion through a long socket



### Rubber vane

For lightweight materials (e.g. carbon black, styrofoam, etc.)



### Rotonivo® 3005 extra compact version for installation in loading bellow

