



Rotonivo® 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 ..001

Standard design, vertical, horizontal and oblique installation

Rotonivo ..003

Design with protection tube and angled extension, horizontal installation

Rotonivo ..004

Design with protection tube, vertical, horizontal and oblique installation



Technical Data

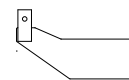
Housing	Aluminium IP 66 / NEMA Type 4
Pressure range	-0.9 up to +10 bar (-13.1 up to +145 psi)
Supply voltage	Universal Voltage Electronic AC: 24V / 48V / 115V / 230V, DC: 24V
Signal output	Microswitch or Relais SPDT / DPDT contact
Certificates	ATEX II 1/2D and II 2G, INMETRO FM Cl. I, II, III, Div.1 Gr. A-G; Zone 1 CSA Cl. I, II, III Div.1 Gr. B-G; Zone 1 TR-CU, IEC Ex, EHEDG, NEPSI-Ex
Process temperature range	-40°C up to +1100°C (3001 / 3002) (-40°F up to +2012°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	Aluminium or stainless steel 1.4305 (SS303)
Process connection	or 1.4404 (SS316L)
Material measuring (SS316) vane and shaft	Stainless steel 1.4301 (SS304) or 1.4305 or 1.4404 (SS303L)

Housing types



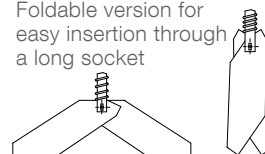
Various measuring vanes and special solutions

Boot shaped vane



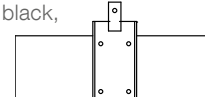
Hinged vane

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

