

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.





















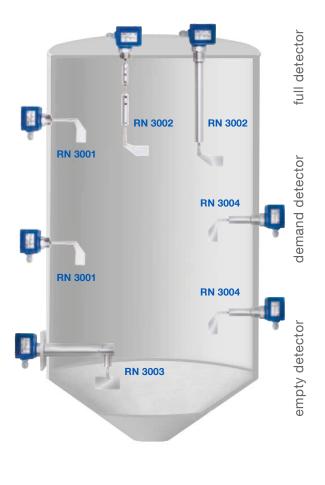
Rotonivo® 3000 / 6000



- 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 Rotonivo ..003 Standard design, Design with protection vertical, horizontal tube and angled extension, and oblique horizontal installation installation Rotonivo ..004 Design with protection tube, vertical, horizontal and oblique installation



Technical Data

Housing Aluminium IP 66 / NEMA Type 4

-0.9 up to +10 bar (-13.1 up to +145 psi) Pressure range

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, NEPSI-Ex, EHEDG

Process -40°C up to +1100°C (3001 / 3002) (-40°F up to +2012°F) (3001 / 3002) temperature range

Bearing Encapsulated ball bearing with shaft sealing

Process connection G 1", 11/2" and 11/4"; NPT 11/2" and 11/4";

> M30x1,5 and M32x1,5; various flanges available

Material Aluminium or stainless steel 1.4305 (SS303)

or 1.4404 (SS316L)

Material measuring Stainless steel 1.4301 (SS304)

vane and shaft or 1.4404 (SS316L)

Process connection

