



# RFnivo<sup>®</sup> 3000

## Capacitive level limit switch

Capacitive limit detection for nearly all types of bulk material.  
Certified for hazardous locations.

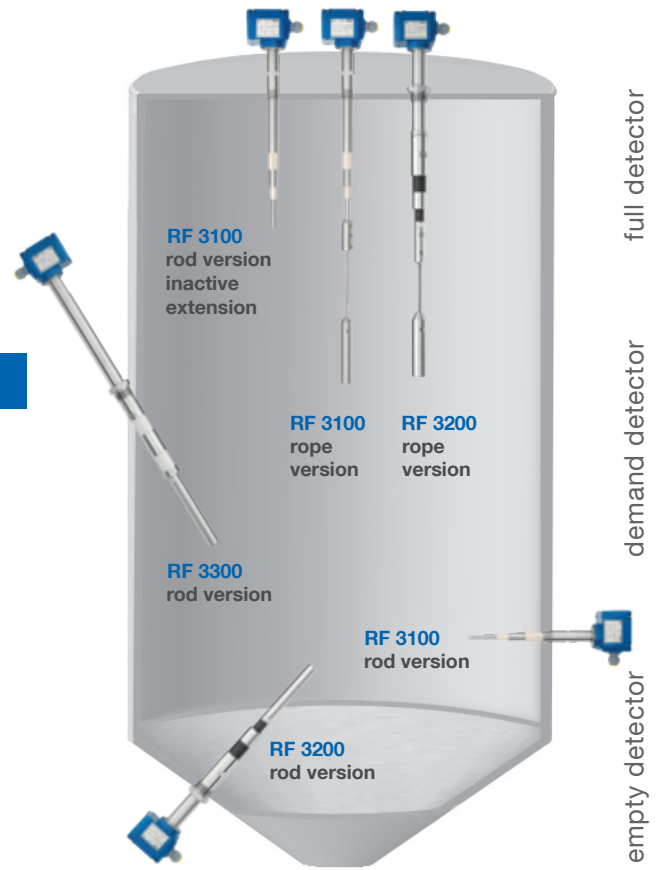


# RFnivo® 3000



- Quick and easy setup with automatic calibration
- Maintenance free: Active Shield Technology against material build-up ensures high functional safety
- Suitable for use in applications with high pressure - up to 25 bar and with temperatures of up to 500 °C

**Applications:** RFnivo® 3000 is certified for all bulk solids applications such as flour, grain, sugar, cement, granulate, carbon black and also for slurry and liquids.



## RF 3100 Standard

**Full, demand, empty detector**  
Vertical, horizontal and oblique installation



## RF 3200 Heavy Duty

**Full, demand, empty detector**  
Vertical, horizontal and oblique installation



RF 3100 version with PFA coating available

## RF 3300 High Temperature

**Full, demand, empty detector**  
Vertical, horizontal and oblique installation



## Remote Version

**Full, demand, empty detector**  
Vertical, horizontal and oblique installation, ie for applications with vibration



## Housing types

**RF 3000 standard**



**RF 3000 flameproof**



**RF 3000 flameproof, increased safety**



## Technical Data

<b>Housing</b>	Aluminium IP 67, NEMA Type 4X
<b>Versions with certificates</b>	ATEX, IEC-Ex, FM, TR-CU, CCC-Ex, KCs (Dust explosion-proof, Flameproof, Increased safety) EHEDG
<b>Process temperature</b>	-40 °C to +500 °C (-40 °F to +932 °F)
<b>Pressure</b>	-1 .. +25 bar (-14.5 .. +363 psi)
<b>Sensitivity</b>	DK value > 1.5
<b>Supply voltage</b>	21.. 230V AC/21..230V DC Relay DPDT
<b>Process connection</b>	M30, M32, G ¾", G 1", G 1½" NPT ¾", NPT 1", NPT 1¼", NPT 1½"
<b>Material probe</b>	1.4301 (SS304) / 1.4305 (SS303) or 1.4404 (SS316L); Isolation PPS or ceramic FDA and 1935/2004 EC conform