



6 YEARS GUARANTEE
APPROVED QUALITY

RFnivo[®] 8000

Capacitance Level Switch

Capacitive level detection for all kinds of liquids.
Accurate results even in difficult applications.



RFnivo® 8000



Inverse Frequency Shift Technology

- Digital electronics with integrated display and operating menu, programmable
- Potted electronics, “Active Shield Technology“ against material build-up ensures high functional safety
- Robust design, PFA isolation for high chemical resistance

Applications: RFnivo® 8000 is suitable for liquids, pastes, foam and slurry as well as for interface measurement.

RF 8100 Standard Rod

Full, demand, empty detector
Version with rod extension,
Sliding sleeve option,
Vertical, horizontal and oblique
installation



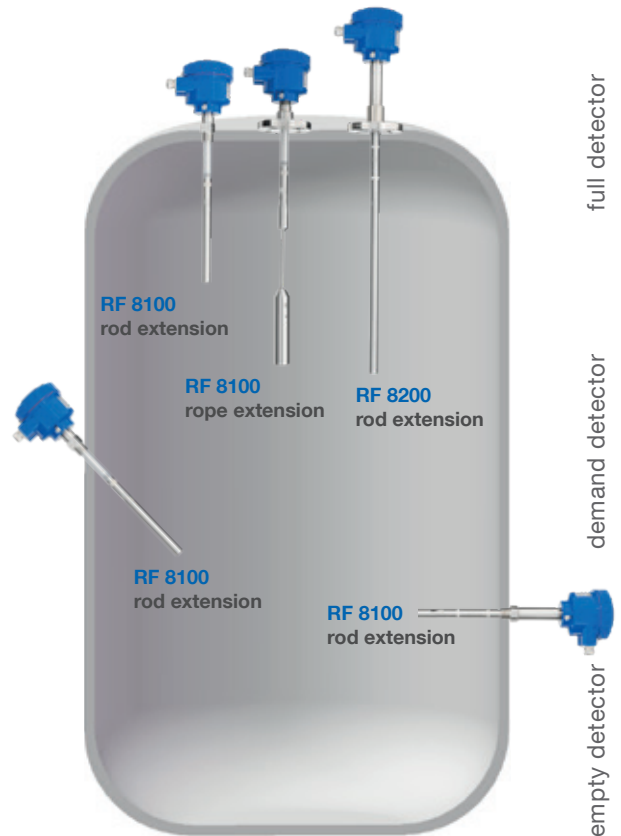
RF 8100 Standard Rope

Full, demand, empty detector
Version with rope extension,
Up to 25 m,
Vertical installation



RF 8200 Temp. Rod

Full, demand, empty detector
Version with rod extension,
Sliding sleeve option,
Vertical, horizontal and oblique
installation



Technical Data

Housing	Aluminium powder coated, IP68/NEMA 4	
Certificates	ATEX, FM / CSA, TR-CU, INMETRO (Dust explosion-proof, Flameproof, Intrinsically safe) WHG, Lloyd's	
Shaft length	Rod version	max. 1 m
	Rope version	max. 25 m
Process temp. range	-40 °C to +400 °C (-40 °F to +752 °F)	
Pressure range	-1 to +35 bar (-14,5 to +507,6 psi)	
Sensitivity	DK value ≥1.5	
Supply voltage	12..250V AC/DC 12..30 V DC Profibus PA (24V for IS version)	
Process connection	≥ NPT ¼", ≥ R ¼", ≥ G ¼", range of flanges	
Process con. material	1.4404 (316L)	
Probe material	1.4404 (316L), isolation PEEK, insulation PFA, wetted seals FKM or FFKM temperature version with ceramic isolation	
Signal output	Relay switch SPDT / solid state switch, Profibus PA / solid state switch	
Signal delay	Integrated adjustable time delay of the signal output	