



RFnivo[®] 8000

Capacitance Level Switch

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

RFnivo® 8000

- 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 25m,
Vertical installation



RF 8200 Temp. Rod

Full, demand, empty detector

Version with rod extension,
Sliding sleeve option,
Vertical, horizontal and oblique
installation



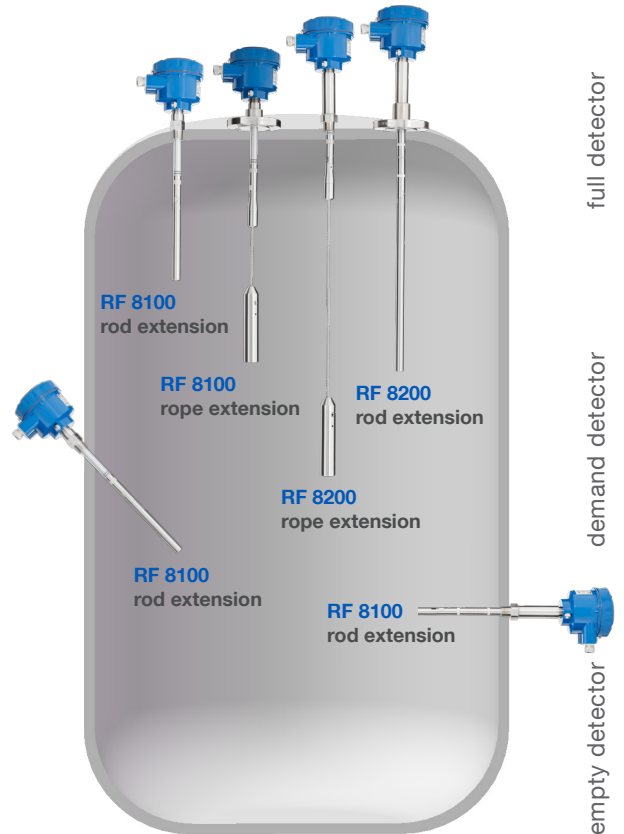
RF 8200 Temp. Rope

Full, demand, empty detector

Version with rope extension
Up to 25m,
Vertical installation



Inverse Frequency
Shift Technology



Technical Data

Housing	Aluminium powder coated, IP68/NEMA 4
Certificates	ATEX, FM/CSA, TR-CU, INMETRO, WHG
Shaft length	Rod version max. 1m Rope version max. 25m
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 Relay SPDT/Solid State, 12...30V DC Profibus PA/Solid State
Process connection	\geq NPT $\frac{3}{4}$ ", \geq R $\frac{3}{4}$ ", \geq G $\frac{3}{4}$ ", 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	FSH/FSL integrated, switchable
Signal delay	Integrated adjustable time delay of the signal output