







UWT sensors provide solutions for the most challenging conditions

Benefit from our experience and you will find a suitable product for all types of application

Product Matrix Solids 		Level Limit Measurement 					Continuous Measurement 				
Product		Rotonivo® RN 3/4/6	Vibranivo® VN 1/2/4/5/6	Mononivo® MN 4	RFnivo® RF 3	Capanivo® CN 4	NivoBob® NB 3	NivoBob® NB 4	NivoRadar® NR 3	NivoRadar® NR 4	NivoGuide® NG 3
Measuring principle		Rotation	Vibration	Vibration	Capacitive	Capacitive	Lot System	Lot System	Radar	Radar	Guided Radar (TDR)
Material properties	Granulate / powder	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Solids in liquid	-	✓	-	-	-	✓	-	-	-	-
	Material prone to caking	✓	-	-	✓	●	✓	✓	●	●	●
	Abrasive Material	✓	✓	✓	●	-	✓	✓	✓	✓	●
Process conditions	Sensitivity (bulk density/DK)	≥ 15 g/l	< 5 g/l**	≥ 20 g/l	DK ≥ 1.5	DK ≥ 1.6	≥ 20 g/l	≥ 20 g/l	DK ≥ 1.6	DK ≥ 1.1	DK ≥ 1.5
	Process temperature	-40..1100 °C	-40..150 °C	-40..150 °C	-40..500 °C	-40..180 °C	-40..250 °C	-40..80 °C	-40..200 °C	-40..80 °C	-40..200 °C
	Process pressure	10 bar	16 bar	16 bar	25 bar	25 bar	1.7 bar	0.2 bar	3 bar	3 bar	40 bar
	High mechanical load	✓	●	●	✓	-	●	●	●	✓	●
	High humidity	✓	-	-	✓	✓	✓	✓	●	✓	●
Certification *	EHEDG	-	-	-	✓	-	-	-	-	-	-
	SIL	✓	-	-	-	-	-	-	-	-	✓
	EX certification	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Sensor Material		316L	316L	316L	316L/PPS/ Ceramic	PPS	304/303/316	AI/303/316	316L/PEEK	PVDF	316L/PEEK

* further certificates available on request

** further certificates available on request* capable of measuring the lightest of material lower than 5g/l

Product matrix Liquids 		Level Limit Measurement 			Continuous Measurement 			
Product		Capanivo® CN 7	Capanivo® CN 8	RFnivo® RF 8	NivoBob® NB 3	NivoCapa® NC 8	NivoRadar® NR 7	NivoGuide® NG 8
Measuring principle		Capacitive	Capacitive	Capacitive	Lot System	Capacitive	Radar	Guided Radar (TDR)
Material properties	Waterbased	✓	✓	✓	✓	✓	✓	✓
	Oil / viscose Media	✓	✓	✓	✓	✓	✓	✓
	Foam	✓	✓	✓	-	✓	✓	✓
	Material prone to caking	✓	✓	✓	✓	✓	●	●
	Interface	✓	✓	✓	✓	✓	-	✓
Process conditions	Sensitivity (DK)	DK ≥ 1.5	DK ≥ 1.5	DK ≥ 1.5	N/A	DK ≥ 1.5	DK ≥ 1.1	DK ≥ 1.4
	Process temperature	-40..125 °C (SIP/CIP ..150 °C)	-40..125 °C	-40..400 °C	-40..80 °C	-40..200 °C	-40..80 °C	-196..450 °C
	Process pressure	25 bar	25 bar	35 bar	1.7 bar	35 bar	3 bar	400 bar
	High mechanical load	●	●	●	●	●	✓	●
	Immersion length (max.)	20 m	30 m	25 m	50 m	25 m	-	75 m
	Vibration in process	✓	●	●	✓	●	●	●
	Moving surface (e.g. wave)	●	✓	✓	✓	✓	✓	✓
Certification*	EHEDG	✓	-	-	-	-	-	-
	SIL	-	✓	-	-	-	-	✓
	Lloyd's Register	✓	✓	✓	-	✓	-	-
	EX certification	✓	✓	✓	✓	✓	✓	✓
Wetted parts		316L/PPS/ PVDF/PEEK	316L/PPS/PVDF	316L/PFA/PEEK/ Ceramic	301/303/PA/PP	316L/PFA/PEEK	PVDF	316L/PEEK/ Ceramic

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- ✓ perfect choice
- can be used (details to be clarified)
- not recommended

The information in the catalogue is subject to modifications or amendments.
Please note that our general terms and conditions apply (www.uwtgroup.com).