XACT™ WATER CUT (BS&W)

XSENS® FLOW SOLUTIONS

	Item	Requirement	Range	
General	1	Line size	1.5" to 36" and higher	
	2	Line Schedule	Any	
	3	Pipe Class	Any	
	4	Pipe Material	Carbon Steel, SS316,Duplex (others)	
	5	Hazardous Area Protection	Atex, IECEx Zone 1 and 2	
	6	Explosion Group / Gas group	IIB	
	7	Temperature class	T3	
	8	Max Ambient temperature	60°C	
	9	Ingress Protection	IP 66 (higher on request)	
Process Conditions	10	Fluid	Water and oil mixture	
	11	Phase	Liquid	
	12	Corrosive / Erosive	Can handle both due to clamp-on design	
	13	**Case**	**Min**	**Max**
	14	Flowrate m/s	0	40
	15	Density	No limit	No limit
	16	Design pressure	No limit	No limit
	17	Design Temperature	-20 deg C	100 deg C (higher as option)
	18	Viscosity	Range from water to heavy bunker oil	
Sensor	19	Sensor Type	Ultrasonic non-intrusive (clamp-on type) Up to six pairs (redundancy)	
	20	Measurement Principle	Ultrasonic Speed Of Sound	
	21	Housing Sensor Material	SS316 / Aluminium	
	22	Cable from sensor to transmitter	Armored, flame retardant type (xx meters length)	
	23	WLR (Water Liquid Ratio) range	0-100% WLR	
	24	Accuracy WLR (Water Liquid Ratio)	+/- 1% abs. (note 1)	
	25	Removable Assembly	Yes	
	26	Electrical Connection	4-20mA / Modbus (WiFi, Canbus, Profibus and other on request)	
	27	Upstream Straight Length	2-5D (target)	
	28	Downstream Straight Length	2-5D (target)	
Transmitter	29	Housing Material	SS316 / Aluminium	
	30	Electrical Connection	To custom specifications	
	31	Power Supply	12-24 VDC (external power, or other) Typical 9,5Watt and 11 Watt at start up	
	32	Output Signal	Modbus serial connected to flow computer via RS-485 /4-20mA (others on request)	
	33	Mounting	Integrated in sensor	
Options	34	Pressure Transmitter	NA	
	35	Temperature Transmitter	2*PT 100 elements included (note 2)	
	36	Flow Computer	Included	
	37	Local Display	Optional	
	38	Mounting Kit	Included	
	39	Weight	From 25 kg to150 kg depending on size	
	40	Dimensions	See GA drawings from Xsens	

Note 1 Poor mixing / stratified flow of oil and water can reduce accuracy in horizontal flow

Note 2 For installation at unstable temperature conditions, we recommend using local temperature readings

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