

	Item	Requirement	Range	
General	1	Line size	1.5" to 30" 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	Ingress Protection	IP 66 (higher on request)	
Process Conditions	7	Fluid	Max 50% weight percentage liquid in gas	
	8	Phase	Gas	
	9	Corrosive / Erosive	Can handle both due to clamp-on design	
	10	Case	Min	Max
	11	Flowrate m/s	0.1	30
	12	Density	No limit	No limit
	13	Design pressure	No limit	No limit
14	Design Temperature	-20 deg C	100 deg C (higher as option)	
Sensor	15	Sensor Type	Ultrasonic non-intrusive (clamp-on type). Up to six pars (redundancy)	
	16	Measurement Principle	Ultrasonic Guided Wave Transit Time & Time Of Flight	
	17	Housing Sensor Material	SS316 / Aluminium	
	18	Cable from sensor to transmitter	Armored, flame retardant typ (xx meters length)	
	19	Uncertainty	+/- 3% of flow (add +/-0,01 m/s)	
	20	Turndown ratio	300:1	
	21	Removable Assembly	Yes	
	22	Electrical Connection	4-20mA / Modbus (WiFi, Canbus, Profibus and other on request)	
	23	Upstream Straight Length	5-10D (shorter is possible)	
	24	Downstream Straight Length	5-10D (shorter is possible)	
25	Flow Straighteners	Not required		
26	Static Mixer	Not required		
Transmitter	27	Housing Material	SS316 / Aluminium	
	28	Calibration	0 - 100%	
	29	Electrical Connection	To custom specifications	
	30	Power Supply	12-24 VDC (external power, or other). Typical 9,5Watt, 11 watt at start up	
	31	Output Signal	Modbus serial connected to flow computer via RS-485 /4-20mA (others on request)	
	32	Mounting	Integrated in sensor	
Options	33	Pressure Transmitter	NA	
	34	Temperature Transmitter	2*PT 100 elements included	
	35	Flow Computer	NA	
	36	Local Display	Optional	
	37	Mounting Kit	Included	
	38	Weight	From 25 kg to 150 kg depending on size	
	39	Dimensions	See GA drawings from Xsens	