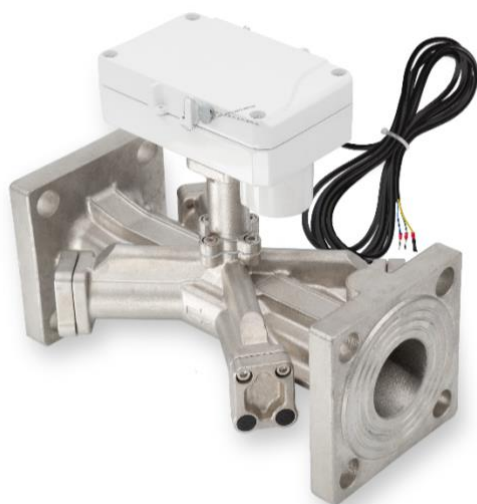




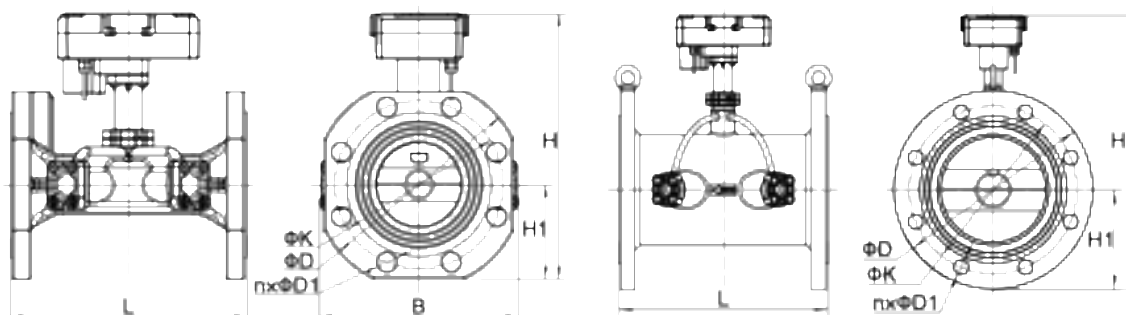
Ultrasonic flow sensor composed of a cast iron measuring insert connected to a calculator by means of a cable.

- Ideally suited for measuring thermal energy consumption in heating or cooling systems
- The measuring insert features a no-moving parts
- Design
- 2 paths for ultrasonic measurement for precise detection
- No straight pipe requirements apply
- Can be installed in any position
- Compatible with Maddalena **KS3C** calculator and **KPTG** temperature probes
- Available in nominal diameters from DN 50 to 300

TECHNICAL DATA

General	
Accuracy class	2 (EN 1434)
Environmental class	C (EN 1434) for indoor installation
Mechanical class	M2
Electromagnetic class	E2
Storage Temperature	-20 °C... +60 °C
Electronic unit	
Protection class	IP68 in accordance with EN 60529
Power supply	Battery with 10-year service life+1 (Maddalena standard)
Pulse Output	
Type	Open drain
Pulse Length	100 ms
Pulse options (pulses/liter)	DN 50-DN 100: 1/10 (STD) DN 50-DN 100: 1/100 (optional) DN 125-DN 300: 1/100 (STD)
Pulse type	Synchronous
Cable Length	3 m
Tension	Max: 12Vdc
Current	Max: 10 mAdc
Resistance to closed contact	100 Ω
Maximum Output Pulse Frequency	10 Hz
Flow Sensor	
Protection class	IP68
Installation position	Any
Sample frequency	4 Hz
Measuring range	1:100
Temperature range	+1 °C... +130 °C
Recommended temperature range for heating applications	+10 °C... +130 °C
Maximum temperature	150 °C for 2000 hours
Maximum Overload	1,25 x q _s
Installation	U0 – D0
Nominal pressure	DN50 ÷ DN300: PN25 (PS25)

TOTAL DIMENSIONS AND TECHNICAL DATA



DN	PN	L [mm]	H [mm]	D [mm]	K [mm]	B [mm]	n x ØL	Weight [kg]	Q _p [m³/h]	Q _s [m³/h]	Q _i [l/h]	ΔP @ Q _p [mbar]	kv
50	25	270	221	165	125	120	4 x Ø18	9,5	15	30	150	43	2,30
50	16	200	221	165	125	120	4 x Ø18	8,0	15	30	150	43	2,30
65	25	300	229	185	145	165	8 x Ø18	11,5	25	50	250	28	4,76
65	16	200	229	185	145	135	4 x Ø18	8,5	25	50	250	28	4,76
80	25	300	253	200	160	180	8 x Ø18	16	40	80	400	23	8,31
80	16	225	253	200	160	180	8 x Ø18	11,8	40	80	400	23	8,31
100	25	360	281	235	190	200	8 x Ø22	21	60	120	600	34	10,30
100	16	250	281	220	180	212	8 x Ø18	15	60	120	600	34	10,30
125	25	350	370	270	220		8 x Ø26	34	100	200	1000	53	13,68
150	25	350	400	300	250		8 x Ø26	43	150	300	1500	63	18,90
200	25	350	450	360	310		12 x Ø26	55	250	500	2500	43	38,16
250	25	400	520	425	370		12 x Ø30	74	400	800	4000	48	57,56
300	25	450	575	485	430		16 x Ø30	102	600	1200	6000	58	78,52

PRESSURE DROP

