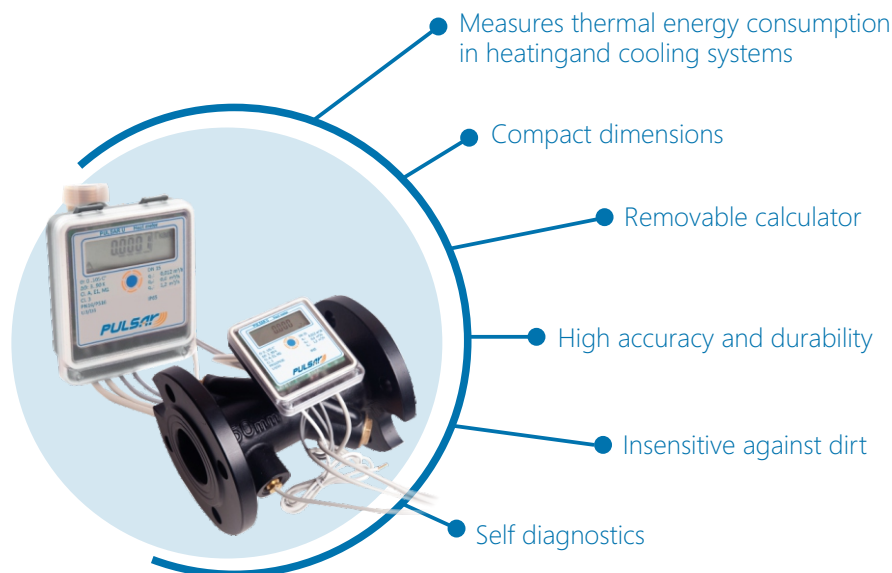


Ultrasonic heat meters «Pulsar»

They are designed to measure heat and hot water in open and closed heat and water supply systems.
Available according to EN 1434.



Interfaces

- Pulse output
- RS-485
- M-Bus
- Wireless M-Bus
- Ultra narrow RF band (Pulsar IoT)

Technical data

Flow sensor type	Ultrasonic																										
Nominal DN	15	15	15	20	25	32	40	50	65	80	100	125	150	200	15	15	20	25	32	40	50	65	80	100	125	150	200
Length of the pouring part, mm	110	110	110	130	160	180	200	200	220	220	260	260	300	300	360	360	420	420	500	500	500						
Connecting thread	G3/4B	G3/4B	G3/4B	G1B	G1 1/4B	G1 1/2B	G2B	Flange connection																			
Minimum flow rate, q _i , m ³ /h	0,010	0,012	0,015	0,025	0,035	0,06	0,1	0,25	0,15	0,35	0,25	0,5	0,4	0,8	0,6	1,2	1	2	1,5	3	2						
Nominal flow rate, q _p , m ³ /h	1	0,6	1,5	2,5	3,5	6	10	25	15	35	25	50	40	80	60	120	100	200	150	300	500						
Maximum flow rate, q _s , m ³ /h	2	1,2	3,5	6	7	15	20	55	30	70	50	100	80	160	120	240	200	400	300	600	1000						
Sensitivity threshold, m ³ /h	0,002	0,004	0,003	0,005	0,007	0,012	0,02	0,05	0,03	0,07	0,05	0,7	0,08	0,1	0,15	0,2	0,24	0,28	0,3	0,35	0,35						
Pressure loss at q _p , MPa	<0,025																										
Metrological class (En1434)	2																										
Dynamic range of flow measurement q _i /q _p	1:100																										
Housing material	Brass									Cast iron																	
Temperature measurement range °C	1-105, (1-150)																										
Number of pressure sensors, pcs	2																										
Number of flow meters, pcs	1, 2, 3																										
Temperature difference measurement range, °C	3-104, (3-149)																										
Heat units	Gcal, GJ, kWh																										
Indicator	LCD, 8 digits+special characters																										
Data archive in non- volatile memory: hours/days/month	1488/184/60																										

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