Compact heat meter «Pulsar» mechanical

- Measures thermal energy consumption in heating and cooling systems
- Compact dimensions and removable calculator
- Insensitive against dirt, no magnet inside hydraulic part
- Pre - equipped for connection of water meters with 4 pulse output
- Heat metering in KW, MW, Gcal, GJ
- Various communication interfaces, open communication protocol: pulse, RS-485, M-bus, WM-bus, LoRa
- Hour, day or month data history available
- Non-volatile memory
- Self-diagnostic
- MID Certificate TMC 311/18 – 5583

Technical data

Flow meter					
Nominal diameter	**DN15**	**DN15**	**DN15**	**DN20**	**DN20**
Minimum flow q_i, m^3/h (horizontal/vertical)	0,012/0,24	0,02/0,04	0,03/0,06	0,03/0,06	0,05/0,10
Nominal flow q_p, m^3/h	0,6	1	1,5	1,5	2,5
Maximum flow q_s, m^3/h	1,2	2	3	3	5
Thread	G3/4B	G3/4B	G3/4B	G1B	G1B
Length, mm	110	110	110	130	130
Ambient temperature, C	5..55				
Pressure loss at q_p, bar	< 0,2				
Accuracy class (EN1434)	3				
Nominal pressure, bar	16				
Liquid specification	water				
Direction of flow	one direction				
Temperature range, C	0..90				
Installation	Return flow/forward flow horizontal/vertical				
Sensitivity to irregularity class	U3, D3				

Calculator, temperature sensors	
Temperature range, C	0...90
Temperature difference range, K	3-90
Temperature resolution, K	0,01
Ambient temperature, C	5...55
Protection	IP65
Environmental class	A
Electromagnetic class	E1
Mechanical class	M1
Display	LCD, 8 digits + icons
Units	MWh, kWh, GJ, Gcal
Inputs (optional)	4 pulse type for external meters
Interfaces (optional)	Pulse, M-Bus, RS-485, optical (IR), WM-bus, LoRa, Ultra Narrow RF band
Power supply	3,6 V, Lithium, 10 years
Temperature sensors	Pt1000
Data history in EEPROM memory	60 months, 184 Days, 1488 hours