

**zelsius® C5 IUF**

# Ultrasonic heat / cooling meter

*The new generation of heat and  
cooling meters for precise energy  
consumption measurement*



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The zelsius® C5 ultrasonic heat and cooling meter operates with ultrasonic technology, developed for domestic engineering and district heating. Thanks to a combination of accurate measuring technology and a compact design, this meter is suitable for recording all accounting data for measuring energy consumption in heating and/or cooling systems. The wear-free ultrasonic technology is impervious to debris, stable over the long term and is also reliable for low volume flow rates.

The energy calculator of the zelsius® C5 is removable and has a large, legible display. The self-explanatory display and innovative functions mean different operational statuses can be quickly identified.

All important device and consumption data, such as due-date values, maximum values or the saved readings for the last 24 months, can be displayed at the touch of a button. Thanks to its versatile optional communication interfaces, zelsius® C5 guarantees cost effectiveness and ecological efficiency in consumer data recording. Whether it's automated meter reading via wired or wireless MBus the zelsius® C5 provides rapid, reliable data transfer in all cases.



## Features at a glance

- Available as heat, cooling or combined heat/cooling meters
- Lowest design height
- With optional wireless M-bus
- With optional M-bus
- With optional 3 inlets or 2 pulse inputs or outputs
- Any installation position (even overhead)
- Stores 24 months' readings
- With optional battery service life
- Precise, long-term 11-year stable, wear-free
- Very wide dynamic range
- Conforms to MID, Class 2

## Technical Data

Approval	MID (EN1434)			
Protection Type	IP54 (IP65)			
Energy Calculator temperature range	°C	1...105 (150)		
Flow sensor temperature range	°C	0...130		
Temperature difference range	Kelvin	3 (2)...80 (130)		
Nominal Flow, q <sub>p</sub>	m <sup>3</sup> /h	0.6	1.5	2.5
Nominal diameter, DN *	mm	15	15	20
Overall Length *	mm	110	110	130
Thread *		G3/4B	G3/4B	G1B
Measurement accuracy class	2	2	2	
Minimum flow rate q <sub>i</sub>	l/h	6	15	25
Nominal Pressure	bar	PN16 (25)		
Pressure Loss at q <sub>p</sub>	bar	<0.25		
Height above pipe centre	H	54mm		

\* Special versions upon request