EnergyMetering

zelsius®

Ultrasonic heat / cooling meter

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

ZENNER
All that counts.

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The zelsius® C5 ultrasonic heat and cooling meter operates with an innovative ultrasonic technology, specially developed for domestic engineering and district heating. Thanks to a combination of modern measuring technology and a very compact design, this meter is outstandingly 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 very low volume flow rates.

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

All important device and consumption data, such as due-date values, maximum values or the saved readings for the last 24 months, can be invoked 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 radio or M-bus, 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 11-year battery service life
- Precise, long-term 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_p	m³/h	0,6	1,5	2,5
Nominal diameter, DN**	mm	15	15	20
Overall length **	mm	110	110	130
Thread**		G¾B	G¾B	G1B
Measurement accuracy class	2	2	2	
Minimum flow rate q_i	l/h	6	15	25
Nominal pressure PN	bar	PN16 (25)		
Pressure loss at q_p	bar	< 0,25		
Height above pipe centre	H	54 mm		

* available after product launch 2012 **Special versions upon request.

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