



### Heat cost allocator

- Approved in accordance with the German decree on cost allocation (HKVO); EN 834 and UNI 10200 compliant
- 132 monthly and 132 semi-monthly values storage
- Retrofittable remote sensor
- Optical interface
- Optional wireless M-Bus interface (EN 13757-4) suitable both for mobile (walk-by) and fixed reading (AMR) set at factory (automatic activation during installation)

### Technical specifications

Device type	2-sensor device; measurement: 1 or 2-sensor mode
Approval	German decree on cost allocation (HKVO), cert. no. A1.01.2013; EN 834; UNI 10200
Service life, estimated	11 years + 1
Scale	Unit or product scale (wide range of Kc factors available)
Remote sensor	Retrofittable; cable length: 2 m or 5 m
Temperature range	2 sensors: 35 °C-95 °C (up to 105 °C with remote sensor) 1 sensor: 55 °C-95 °C (up to 105 °C with remote sensor)
Ambient temperature	-25 °C ÷ +60 °C
Minimum temperature difference ΔT	4,5 K
Interfaces	Optical (M-Bus protocol) – USB opto head required Wireless M-Bus (optional)
Display	LCD, 7 digits + special characters
Values displayed	Current consumption, due date, due date value, check sum
Billing date options	Yearly, selectable (except 29.02) Monthly, selectable (days from 1 to 28)
Storage of monthly values	132 monthly and 132 semi-monthly values
Measurement stop during summer months	May/June/July/August/September: selectable
Tamper detection	Break contact
Power supply	3 V lithium battery
Protection rating	IP41 (mounted)
Device dimensions (h x w x d)	95 mm x 38 mm x 30 mm
Remote sensor cover dimensions (h x w x d)	26 mm x 12 mm x 10 mm

## Technical specifications – Wireless M-Bus interface

Telegrams	Short telegram, OMS compliant (AMR): current consumption, due date, due date value, error code		
	Long telegram* for walk-by reading: current consumption, due date, due date value, 15 monthly values and 15 semi-monthly values, error code		
Transmission power (max.)	10 dBm		
Frequency	868 MHz		
Modes (EN 13757-4)	S1, T1, C1		
Encryption	AES 128/Maddalena Master Key		
Date of radio activation	Yearly, selectable (except 29.02)		
Data transmission	Interval	2-240 min.	(2 min.)*
	Time/day	0 a.m.-12 p.m.	(8 a.m.-6 p.m.)*
	Days/week	Monday-Sunday	(Monday-Friday)*
	Weeks/month	1-4	(1-4)*
	Months/year	January-December	(January-December)*
Reading system	Hardware	Arrow Collect and USB wireless M-Bus receiver	
	Software	Reading: Arrow Mobile (for Windows) Set-up: Device Monitor (for Windows)	

\*Factory settings

## Dimensions

