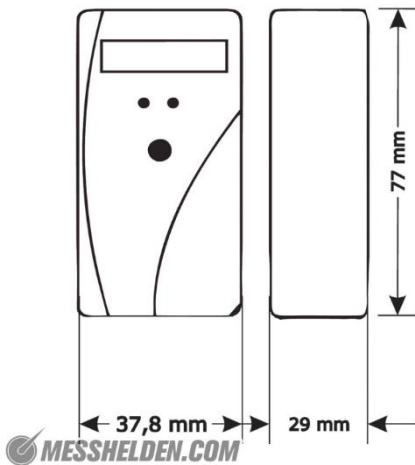# PRODUCT SHEET

ELECTRONIC HEAT COST ALLOCATOR MH-EHKV

✓ **Precise electronic readings of heat consumption with two sensors**

✓ **Over 10 years of maintenance-free operation**

✓ **wM-Bus radio function in OMS communication**

✓ **High level data security through AES128 encoding**

✓ **Storage of 18 monthly readings**

✓ **No incorrect metering caused by external heat, e.g. solar radiation**

Functions

The [MH-EHKV heat cost allocator](#) comes in a two-sensor version. The radio protocol applied is the wM-Bus protocol according to DIN EN13757-4 in the T1 or S1 mode. The data to be transmitted can be coded using AES128 according to the OMS standard.

The electronic heat cost allocator measures the temperature at the surface of a radiator within a range from 20 to 110 degrees Celsius and the room temperature. The consumption is established on the basis of the temperature difference, which makes these devices precise and even more tamper-proof.

Furthermore, several functions have been implemented to prevent metering in the summer (no consumption is recorded when the radiator is not receiving heat from the central heating system). A control figure for the verification of readings can also be displayed, which allows the users to read consumption values on their own (and to notify the metering company).

Technical Data

Power supply	3V DC battery
Operating time using one battery	10 +2 years
Interfaces	Optical, contact
Radio interface	wM-Bus
Protocols	S1, T1 according to DIN EN13757-4
AES	AES 128 Mode 5
Temperature sensors	2
Temperature application borders	35-95°C
Data storage	Meter readings, reference value/due data, 18 monthly readings
Display	7 ½ digits
Self-test	Sabotage, sensors, operating time, reset, data
Certification mark	Approved according to the German heating cost regulation (HKVO)

Further information on our product

https://messhelden.com/shop/heizkostenverteiler/

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