

# Brunata Futura Heat

- Electronic heat cost allocator which measures heating consumption and transmits data 24/7/365
- Patented two-sensor measuring, which ensures accurate measuring of heating consumption
- Ensures correct billing for individual heating consumption
- Can contribute to financial and environmental savings
- Remote reading option due to built-in radio



## Ensure accurate allocation and correct billing of heating consumption with Brunata's electronic heat cost allocator.

### Properties and functions

Brunata Futura Heat is an electronic meter for registering the heating consumption from a radiator. The meter makes it possible to register the individual heating consumption of each resident in a property. The meter has patented two-sensor measuring: one sensor measures the heat in the room and the other sensor measures the heat on the radiator. As a result, the meter measures all the heating which the radiator emits to the room (plus heat) and all the heat which the radiator absorbs from the room (minus heat), for instance heat from the sun or a wood-burning stove. Deducting the minus heat from the plus heat provides the heating actually consumed by the resident, who pays for exactly this heating.

The purpose of installing individual heat cost allocators is to ensure fair allocation of the property's heating costs. The individual meters ensure that the residents

only pay for their own consumption. Experience shows that individual measuring of heating consumption results in energy savings – which benefit both the environment and the residents' finances.

### Reading options

- The meter has a reader-friendly display, where the resident can see this year's and last year's consumption.
- The meter has a built-in radio module and can be read via Brunata DriveBy, which reads the meters at agreed times without Brunata needing to enter the flats.
- The meter has a built-in radio module also allows reading via Brunata Net, which is a radio network that can be installed in properties of every kind. The network collects data from the meters and transmits them to Brunata. If the property has Brunata Net, the heat cost allocators can be monitored via WebMon, which is part of Brunata's online portal. WebMon allows both residents and administrator to monitor consumption development and consumption patterns.

### Facts

- The meter measures the heating consumption via internal or external sensor
- The meter measures temperatures within the range 0°C to 105°C, with external sensor right up to 125°C
- The display is updated every other minute
- The meter has a replaceable battery with a life time of up to 10 or 15 years
- The meter is supplied with a radio module, which transmits data to Brunata every other minute 24/7/365, if Brunata Net is installed

# Solution Overview

## Flexible and safe installation

Brunata Futura Heat is available in several versions with external radiator and/or room sensors. As a result, the meter can also be used where the best option is to place the sensors some distance from the meter itself, for instance if the radiator is built into the floor.

During installation, each meter is adjusted to the radiator's heating output using a scale. This ensures that the heating consumption is measured accurately and is comparable with the consumption in other locations where a Brunata Futura Heat is installed.

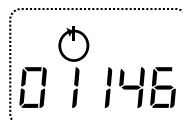
## Reader-friendly display

Brunata Futura Heat has a reader-friendly display, which is always on. The display alternately shows the information below:

Display reading 1  
Consumption this year



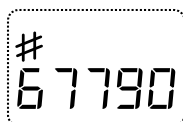
Display reading 2  
Consumption last year



Display reading 3  
Scale and control figures



Display reading 4  
Meter number



## Technical data

### Communication

Protocol:	Brunata V2
Radio frequency:	434 MHz
Transmission frequency:	Every other minute
Telegram update:	Every other hour

### Battery

Battery type:	Lithium
Life time:	Up to 10 or 15 years

### Design

Measurements:	131 x 39 x 19 mm
Weight:	57 g

### Other

IP class:	42
CE conformity:	2004/108/EC 1999/5/EC 2006/95/EC

## Futura Heat video

Watch Brunata's video on Futura Heat at [Brunata.com](http://Brunata.com) or by using the QR code.

