

- Connect your everyday life with the network of the future - LoRaWAN
- One of the market's most accurate heat cost allocators
- Brunata takes care of all the work while you save time
- The meter can contribute to financial and environmental savings
- Get your property ready for the legal requirements and technical standards of the future



Ensure fair distribution and correct accounting of heat consumption with the future network LoRaWAN

Features and functions

Brunata M8 is an electronic meter for registering the heating consumption from a radiator. The meter has a built-in LoRaWAN radio module and can register the individual heating consumption for each resident in a property. Experience shows that individual measurement of heat consumption provides energy savings - and this is beneficial for both the environment and the resident's finances.

The meter features dual sensor measurement, which ensures accurate registrations even at very low radiator temperatures and does not include heat influences from external sources, such as solar heat or heat from a wood burning stove.

Reading options

The meter has an easy-to-read display, where the resident can read his or her actual consumption for this year and consumption for last year.

The built-in radio module also enables the meters to be read via Brunata Net, which is a radio network that can be used in all types of properties. The network collects data from the meters and transmits them to Brunata. If the property has Brunata Net, you can get access to monitor the meters data via WebMon, which is part of Brunata's online services. WebMon allows both residents and the administrator to monitor the development of consumption and consumption patterns.

LoRaWAN

Technology has left an indelible mark on society and has played an active role in optimising digitisation. One of the most recent initiatives is Internet of Things, IoT, which is a network of electronic devices that can communicate with one another by means of sensors. One of the things technology has made possible is to connect several devices to the internet so that you can keep yourself updated at any time with the status of your of your electricity meter or smoke detector, for example. These options can be effectuated through LoRaWAN, Long-Range Wide-Area Network, which is an open, internationally recognised standard for communication between different devices such as IoT sensors and IoT gateways.

Facts

- Measures heat consumption via internal and external sensors
- Type approved with use limits between 35 °C and 130 °C and for installation at a height of 66% or 75%
- Annual resetting of consumption for the property's accounting period
- Historical annual consumption is sent as part of the meter telegram
- Comes with 10 years of battery life

Solution overview

Flexible and secure installation

Brunata M8 is available in two versions, with an internal and external temperature sensor respectively. This means that the meter can also be used when it is not possible to place the meter on the heat source itself. In addition, you are free to choose to place the meter at two heights, with the proviso that all meters throughout the property must be placed at the same height.

The meter can be programmed with the period and scale, for example, at the time of the installation.

Easy-to-read display

Brunata M8 has an LCD display that is easy to read and it is always switched on. The display permanently shows the current meter reading, but by holding a light source in front of the meter you can activate its display view, allowing readings to be inspected for the preceding 18 months. The following information is shown on the display alternately:

Display view 1 Current meter reading	
Display view 2 Display test	
Display view 3 Meter reading on cut-off date	
Display view 4 Cut-off date	
Display view 5 Identification for scale type and sensor operation	
Display view 6 2nd view cycle	
Display view 7 Monthly cut-off date	
Display view 8 Meter reading on the monthly cut-off date	

Technical information

Communication

Protocol:	LoRaWAN
Frequency:	868 MHz
Transmission frequency:	Every 24 hours

Battery

Battery type:	Lithium
Lifetime:	Up to 10 years

Design

Dimensions:	116,2 x 35,8 x 30 mm
Weight (without back):	63 g

Mounting point

Installation height:	66% / 75%
----------------------	-----------

Approvals

IP class:	42
CE conformity:	EN 301489-3:V2.1.1 EN 300220-2:V3.1.1 EN 62368-1:2014 EN 62479:2010 DIN EN 834:2017-02