

► Temperature Logger

Electronic meter designed for a detailed registration of temperatures

The temperature logger is ideal when wanting specific knowledge of temperatures in for instance the basement or attic of a building.

Characteristics

- measures the actual temperature by means of internal sensors or a remote sensor
- measuring is done every 10 seconds
- the temperature is displayed in ° C
- the measuring range is -50 ° C to +50 ° C (standard setting) resolution of 0.1 Kelvin
- Renewable lithium batteries
- The meter is part of a radio based system; it is easy to install and includes no complicated cable work

How the meter works

The meter performs measurements every 10 seconds.

Based on the temperature measured the following values are calculated:

- 10 minutes mean temperature
- Maximum temperature within the last 10 minutes
- Minimum temperature within the last 10 minutes

The temperatures are updated after every measurement and stored. Every 10 minutes data are transmitted through a radio to a controller box. A modem enables data to be picked up by a PC with a special version of BrunataNet storing all data received.

System components

1. Dependent on the building radio receiver(s) RR are



placed in stairways, attics or basements up to 50 m from the meters.

The number of radio receivers depends on the size of the building. Normally, one radio receiver covers 2-3 storeys

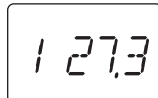
2. Controller box CB which gathers and stores signals from the radio receivers
3. Telephone modem, ordinary network or GSM can be integrated in the controller box
4. PC with a special version of the Windows-based reading software Brunata Monitor

Brunata is a 100 % Danish owned company. We have more than 85 years of experience within developing and producing heat cost allocators and heating accounts. Brunata has implemented a quality system in accordance with EN ISO 9001. Please contact us for further information on our products!

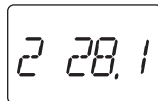
Easy-to-read display

The meter is easy to read. The following information is displayed alternately (in °C):

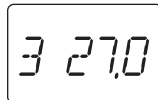
1. Actual temperature from the latest reading

A digital display showing the number '1' followed by a space and '27,3'.

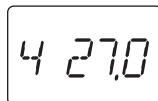
2. Maximum temperature of the current 10 minutes

A digital display showing the number '2' followed by a space and '28,1'.

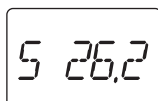
3. Minimum temperature of the current 10 minutes

A digital display showing the number '3' followed by a space and '27,0'.

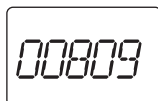
4. Mean temperature of the current 10 minutes

A digital display showing the number '4' followed by a space and '27,0'.

5. Mean temperature of the previous 10 minutes

A digital display showing the number '5' followed by a space and '26,2'.

6. Meter no.

A digital display showing the number '00809'.

Radio telegram

Every 10 minutes the temperature logger sends off a number of information:

- Meter no.
- Actual temperature from last reading (K, resolution 0.1 K)
- Maximum temperature of the last 10 minutes (K, resolution 0.1 K)
- Minimum temperature of the last 10 minutes (K, resolution 0.1 K)
- Mean temperature of the last 10 minutes (K, resolution 0.1 K)
- Mean temperature of the previous 10 minutes (K, resolution 0.1 K)
- Battery counter
- Current status of the meter
- Status flag of the meter

Renewable batteries

The meter comes with renewable batteries. Due to the frequent transmission frequency – every 10 minutes – the maximum life span of the battery is 5 years.

Technical information

Functioning:

Electronic meter for a detailed registration of temperatures.

System demands: The meter fits into the BrunataNet system
Minimum distance to radio receiver: 1 m

Measurements and weight

Measurements and weight: 135 x 37 x 18 mm, approx. 61 g
Battery: Renewable batteries
One 3.6 V or 3.0 V lithium battery with a life span of approx. 5 years