Brunata Futura Hygro

- Electronic humidity meter which measures humidity and transmits data 24/7/365
- Can help detect condensation and thermal bridges
- Can contribute to improving the property's indoor climate
- Remote reading option due to built-in radio module
- Possibility of receiving humidity alerts on the basis of self-chosen criteria

Improve the property's indoor climate with Brunata's electronic humidity meter, which measures the atmospheric humidity and temperature in the room.

Properties and functions

Brunata Futura Hygro is an electronic humidity meter, which measures the relative humidity (RH) in the room. RH depends on the room's temperature and humidity.It is important that the relative humidity is not too high, as this has a negative influence on the indoor climate. A poor indoor climate can be avoided by measuring the relative humidity. The relative humidity can also help detect thermal bridges, which can cause draught, a larger heating bill and in the worst case mould fungus.

Reading options

- The meter has a reader-friendly display, where the resident can see the temperature and relative humidity.
- The meter has a built-in radio module and can therefore be incorporated into Brunata Net, which is a radio network that can be installed in properties of every kind. The network collects data from the humidity meter and transmits them to Brunata. If the property has Brunata Net, the humidity meters can be monitored via WebMon, which is part of Brunata's online portal. WebMon makes it possible to monitor the relative humidity development.

Online humidity alert

- WebMon also makes it possible to set up an alert according to self-chosen criteria for when Brunata should send an alert. In other words, if a humidity meter registers higher atmospheric humidity than the other humidity meters in the property, the property administrator will receive an electronic alert via email with information about this.
- Alert and data display in WebMon make it possible to detect any deviations and inconsistencies in the humidity which affect the indoor climate and can lead to damage by damp.

Facts

- The meter measures the temperature and humidity via a built-in sensor
- The meter measures temperatures within the range 20°C to 55°C and humidity from 20 % RH to 100 % RH
- The display shows the temperature in °C and the humidity in % and is updated every other minute
- The meter has a replaceable battery with a life time of up to 10 years
- The meter is supplied with a radio module, which transmits data to Brunata every other minute 24/7/356, if Brunata Net is installed

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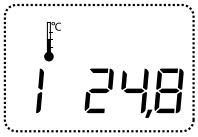
Solution Overview

Reader-friendly display

Brunata Futura Hygro has a reader-friendly display, which is always on. The display alternately shows the information below. Both temperature and atmospheric humidity are shown with one decimal:

Display reading 1
Current humidity in % RH

Display reading 2
Current temperature in °C



Display reading 3
Meter number

Location

Futura Hygro is installed in properties where there is a wish to monitor the atmospheric humidity. It is important that the meter is correctly located to obtain the maximum benefit.

If the purpose is to measure temperature, the meter should be installed:

- In a location where the temperature reflects the actual temperature in the room.
- In a location without direct sun.
- On an internal wall, as external walls may be colder than the room as a whole.
- At least two meters from a radiator, wood-burning stove or other heat sources.

If the purpose is to measure condensation or thermal bridges, the meter should be installed:

- In a location, where condensation or thermal bridges are suspected.
- In a location, where condensation or thermal bridges are very likely, for instance basements or external walls respectively.

Technical data

Communication

Protocol:	Brunata V2
Radio frequency:	434 MHz
Transmission frequency:	Every other minute
Telegram update:	Every 15 minutes

Battery

Battery type:	Lithium
Life time:	Up to 10 years

Design

Measurements:	131 x 39 x 19 mm
Weight:	63 g

Other

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