



Brunata Visual

Visual is part of Brunata Online. It is aimed at consultants and property administrators, who need to access and analyse detailed meter data from the property's meters, e.g. in order to:

- Address comfort and humidity issues in buildings and properties
- Document the energy efficiency of buildings
- Locate energy consumption and energy waste

This knowledge is a valuable tool for developing strategies for optimising operation and interior climate in the property.

Visual provides

- A complete online overview of the meter data and meter portfolio of the entire property
- An advanced tool for generating analyses with graphs and tables of meter data for selected meters (interpolated data)
- A desktop programme which is downloaded and then runs locally on your computer

Visual allows you to

- Handle large data quantities online as a result of detailed logging
- Access data to document the actual energy consumption and clarify any deviations, e.g. as a result of defective thermostat valves or running toilets

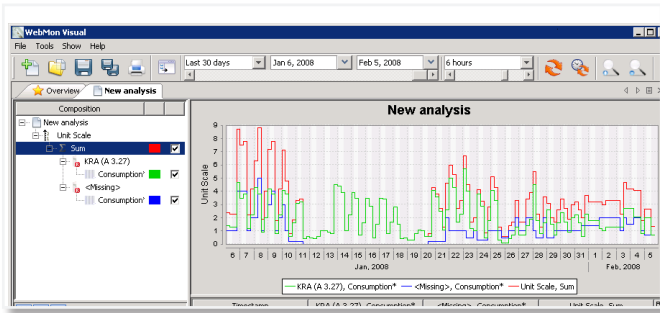
- Detect and address humidity problems before they develop into structural faults
- Visualise and document inappropriate consumption habits, such as failure to air the rooms or poor heating exploitation
- Establish the basis for optimising the operation and exploitation of the resources

Prerequisites

To be able to use Visual, you must meet the following prerequisites:

- You must have access to Brunata Online as administrator or user
- A BrunataNet system with electronic meters, which can be read remotely, must have been established
- Your internet browser must support Java 6 as minimum
- Your computer must be adequate in terms of both speed and memory
- Your screen resolution must be 1024x768 or larger
- A good broadband connection is an advantage, as the programme collects meter data directly from the internet

Examples of Visual screen images



Meter data are presented graphically.

The screenshot shows an 'Information' panel with the following data:

First datapoint	Jan 18, 2008 12:06 AM
Highest value	-11.1
Last datapoint	Jan 18, 2008 2:56 PM
Lowest value	-20.4
Number of datapoints	89

Individual programme set-ups are created.

Timestamp	Fryserum, Temperature*	Osterskab, Temperature*
2/4/08 12:03 AM		2.7
2/4/08 12:07 AM	-19.2	
2/4/08 12:13 AM		3.7
2/4/08 12:17 AM	-19.0	
2/4/08 12:23 AM		0.5
2/4/08 12:27 AM	-20.4	
2/4/08 12:33 AM		0.1
2/4/08 12:37 AM	-19.0	
2/4/08 12:43 AM		2.3
2/4/08 12:47 AM	-14.6	
2/4/08 12:53 AM		-2.6
2/4/08 12:57 AM	-13.4	
2/4/08 1:03 AM		1.9

Meter data are presented in tables, e.g. on a room basis.

The screenshot shows a Microsoft Excel spreadsheet with the following data:

	A	B	C
1	Timestamp	Osterskab, Temperature*	
2	2/5/2008 0:04	-1.1	

Export of data to Excel sheets and other analysis tools.

To find out more about Visual and the other features of Brunata Online, please contact Brunata.

Brunata a/s is a Danish company with almost 100 years' experience of measuring and billing consumption of heating, water, electricity and more in properties in Denmark and other countries. Our equipment and expertise create a precise and fair basis for allocation of costs based on individual consumption. At the same time Brunata's remote reading and online solutions visualize information that provides insights into better utilization of energy and resources and indoor climate. Brunata is certified according to ISO 9001 and 14001.

Brunata a/s · Vesterlundvej 14 · DK-2730 Herlev
 +45 77 77 70 00 · brunata@brunata.dk · www.brunata.com