

# Useful information about Futura Signal+

## Congratulations with your new Futura Signal+ pulse counter!

This leaflet tells you about the electronic pulse counter, the type of meter which we just have fitted on your water installation. The leaflet also contains information about how to reduce your water consumption – for the benefit of the environment and your budget.

## Pulse Counter

Futura Signal+ is a pulse counter; and is part of the total recording of consumption in a building. It records data (pulses) from up to four meters, typically water-meters, electric-meter and calorimeter/radiator meter etc. It does not necessary have to be meters of the same type. Each meter is connected with the pulse counter at separate channels.

## Components

Futura Signal+ consists of two main components:

- A cabinet containing the pulse counting device itself.
- A connection box to which the cables from the consumption meters are connected.

## Network

Futura Signal+ is applicable in systems transferring data to the BrunataNet. In this case the pulse counter is part of the total recording of consumption in a building. The network ensures an early warning in cases of abnormal consumption or error functions.

## Stand-alone remote counter

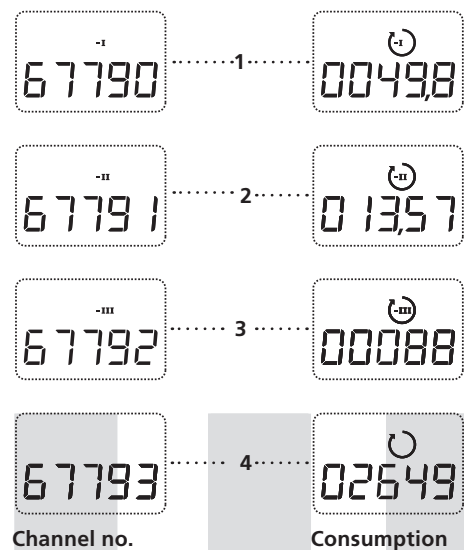
For meters to which access is difficult the pulse counter can be used as a stand-alone remote counter. A handheld computer ensures a safe and quick reading.

## Programming

Futura Signal+ must always be programmed so it complies with the consumption meters connected. As standard, programming is carried out during the installation by means of a handheld computer. However, ordering a pre-programmed pulse counter is also possible.

## Easy-to-read display

Futura Signal+ has an 'easy-to-read' display. The display of the pulse counter alternates between meter number and consumption (max. four meters). Please see illustration below:

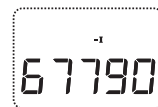


Meter no. comprises the four unique channel numbers.

## An example

If a hot-water allocator and a cold-water allocator are connected to the pulse counter, the display will show:

### Hot-water allocator

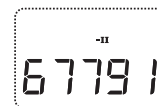


Channel no.



Consumption

### Cold-water allocator



Channel no.



Consumption

- The 5-ciphered number (-I) shows channel number for hot-water allocator
- Hereafter hot water consumption is shown, which is 49,8 m<sup>3</sup> in this example
- The 5-ciphered number (-II) shows channel number for cold-water allocator
- Hereafter cold water consumption is shown, which is 13,57 m<sup>3</sup> in this example

## Data stored in the memory

Values for the 1st and 15th of every month are stored in the meter's memory. In total, data for 52 log periods are stored, corresponding to data for 26 months.

If Futura Signal+ is exposed to attempts at tampering or other damage, this is also recorded in the memory together with information on date and time.

The allocator recordings are checked in connection with the annual reading and when residents are moving in or out. The many stored measurements also make it possible to evaluate if exceptional energy consumption is caused by bad consumer habits, failures in the heating system or inadequate insulation of the building.

The annual heat consumption is stored in the allocator's memory for ten years.

## Use water with consideration

Use water with consideration for the environment:

- Turn off the water when you are doing the dishes. Use a washing-up bowl.
- Rinse the vegetables in a bowl.
- Do not defrost food under running water.
- Use the shower instead of the bath top. You can easily save approx. 100 l. per bath.
- Take short showers.
- Turn off water when you soap.
- Install a mixing fitting with a thermostat and a water reducing showerhead.
- Install a perlator in the taps. It mixes air into the water, thus saving water.

If the Futura Signal+ registers units even though the water is turned off, this may be due to a leaky pipe. In this way, the pulse counter can help pinpoint faults and inexpediencies in the water-consumption system.

## Where to find us:

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# Brunata Futura Signal+

Brunata's electronic  
pulse counter



Read your own consumption by looking  
at the pulse counter's display  
(It starts at zero at the terminal date).

Monitor your consumption.  
Record your own control readings in the form below.

Type of allocator	Consumption · channel no. 1	Consumption · channel no. 2	Consumption · channel no. 3	Consumption · channel no. 4
Date				

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# Brunata

## User Information

User information about  
Brunata's electronic  
pulse counter



# Brunata Futura Signal+

Version 1 (3.7)

Please state building id when contacting us