Sontex . Thermal Energy . Flow Metering .

Heat cost allocators

Sontex 565 / 566 / 868

The new **Sontex 565 / 566 / 868** heat cost allocators are replacing the Sontex 555 / 556 models. The latest generation offers maximum flexibility for parametrisation, significantly simplifies the installation and setup process and improves consumption data monitoring. The range is being expanded with the addition of the **Sontex 868**, which uses Wireless M-Bus to relay data. With their precision and their easy-to-read design, Sontex heat cost allocators guarantee the highly reliable transmission of energy consumption data, which can be relayed in several different ways.

Innovations

- Wireless M-Bus communication (**Sontex 868**).
- Automatic activation when installed on rail.
- Remote sensor plug-in device available for all heat cost allocator models.
- Password protection for parametrisation.
- AES-128 encryption for secure data transmission.
- Increased measuring range.
- Cumulative record of frauds.
- Up to 15 scrolling values can be displayed on the LCD.
- Up to 144 monthly readings and 18 fortnightly readings saved.
- 18 monthly maximum radiator temperature readings saved.

Sontex Thermal Energy Flow Metering

Features

- Single or two-sensor measurement method.
- Unit or product scale, to be defined according to the billing method.
- Meets EN 834:2013.
- User-friendly operation by push button.
- Optical interface for readout and parametrisation.
- Several software tools available.
- Peel-off barcode sticker for easy device registration.
- Lithium battery with a typical lifespan of 10 + 1 years.
- Made in Switzerland.

Models

Sontex 565

- Display.
- Optical interface.

Sontex 566

- Display.
- Optical interface.
- Bidirectional radio communication SONTEX (433.82 MHz).

Sontex 868

- Display.
- Optical interface.
- Unidirectional radio communication Wireless M-Bus (868.95 MHz).

Sontex 565 X / 566 X / 868 X

These heat cost allocators have the same features as the **Sontex 565 / 566 / 868** models. The X models have a triangular sensor (as known from Kundo 201 / 202).

A remote sensor plug-in device is available for all heat cost allocator models. Once equipped with this sensor, the heat cost allocator will only work with a measurement method by remote sensor. The sensor cable is 2 metres long.

Parametrisation

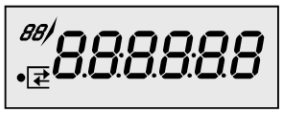
Prog6 software

The Prog6 software enables you to parametrise **Sontex 565 / 566 / 868** allocators with up to 45 different parameters via a standardised optical interface. Only authorised users can modify these settings. In order to protect your devices from frauds, both the allocators and the Prog6 software have a password function. The factory-set “Installer” password can be changed for all heat cost allocators. Parametrisation prior to delivery greatly simplifies product handling.

Readout

LCD (Sontex 565 / 566 / 868)

The **Sontex 565 / 566 / 868** heat cost allocators have a multi-purpose LCD display. The full display is shown below:



Display with all elements illuminated

Sontex 565 / 566 / 868 allocators are supplied with the LCD display switched off. Allocators can be supplied with a continuous switched on display on request.

Optical interface (Sontex 565 / 566 / 868)

In accordance with the M-Bus format (EN 13757-3), the standardised optical interface enables consumption data and saved parameters to be relayed directly to a PC. This data and these parameters may be viewed and parametrised using the optical interface and the Prog6 software.

SONTEX radio (Sontex 566)

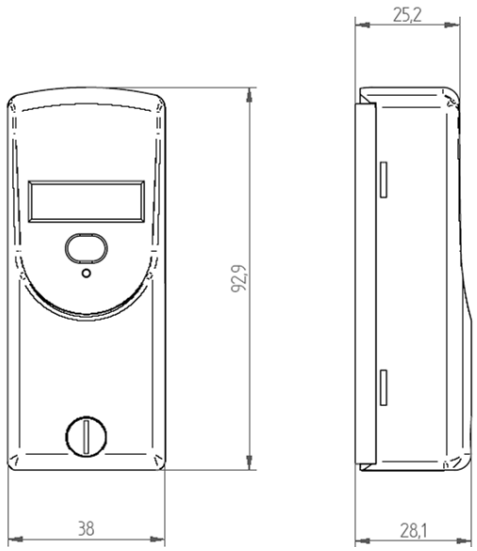
The SONTEX radio communication interface enables the heat cost allocator to communicate with Supercom radio products. The **Sontex 566** uses bidirectional radio technology, a reliable and effective solution for a remote data system (stationary or mobile). Consumption data and saved parameters may be viewed and parametrised using SONTEX radio communication and the Tools Supercom software. The **Sontex 566** can be accessed according to the customer's chosen parameters.

Wireless M-Bus radio (Sontex 868)

The Wireless M-Bus radio communication interface enables data readout using Wireless M-Bus radio protocol (EN 13757-4) and complies with open metering system (OMS) specifications version V3.0.1. The **Sontex 868** uses unidirectional radio technology and transmits the consumption data and saved parameters every 120 seconds for short (OMS) or long (walk-by) telegrams. The **Sontex 868**'s radio readout can be set to the following time periods:

- Short telegram (OMS): 24 hours a day, 7 days a week.
- Long telegram (walk-by): $\leq$ 12 hours a day, 7 days a week.

Dimensions



Sontex Thermal Energy Flow Metering

Technical specifications

Measurement method:	Single or two-sensor
Scale:	Unit or product scale
Power supply:	3 V lithium battery
Typical lifespan:	10 + 1 years
Display:	LCD
Display size:	6 digits (000000–999999)
Interface:	Optical interface compliant with EN 60870-5
Storage temperature:	-25–70 °C

Use

Radiator power:	4–16,000 W
Measuring range:	0–105 °C 0–120 °C (remote sensor)
tmin:	35 °C (two-sensor) 55 °C (single-sensor)
tmax:	105 °C 120 °C (remote sensor)
Measurement start:	Parametrisable
Set day:	Parametrisable

Standards

Standard:	EN 834:2013
Certification:	HKVO A1.02.2015
CE compliance:	Compliant with Directive 2014/53/EU (RED)

SONTEX radio communication

Frequency:	433.82 MHz
Communication:	Bidirectional
Protocol:	Radian 0
Encryption:	AES-128

Wireless M-Bus radio communication

Frequency:	868.95 MHz	
Communication:	Unidirectional	
Protocol:	Wireless M-Bus	
Encryption:	AES-128	
Transmission standard:	EN 13757-4, mode T1	
Broadcasting interval:	Short telegram (OMS):	$\geq$ 120 s
	Long telegram (walk-by):	$\geq$ 120 s
Data transmission periods:	Short telegram (OMS):	24 hours a day, 7 days a week
	Long telegram (walk-by):	$\leq$ 12 hours a day, 7 days a week

Technical support

Contact your local Sontex agent or Sontex SA directly if you require technical support.
Sontex hotline: sontex@sontex.ch +41 32 488 30 04
Specifications are subject to change without notice. Data Sheet 565_566_868 EN 20-06-2017