

Sontex

■ Thermal Energy ■ Flow Metering ■



Supercom

The complete radio solution



Supercom

The complete solution for radio remote readout of consumption data in your Smart Metering environment

User friendly and exact consumption data acquisition by radio

The remote radio system Supercom of Sontex is the complete solution for radio remote readout of consumption data. The system offers an optimal cost-benefit ratio for any size of billing service or facility as well as absolute flexibility and data security for the consumption data acquisition and can easily be integrated in a Smart Metering environment.

The remote radio system Supercom offers solutions with mobile devices (radio modem, Walk-by) as well as with fixed installed data concentrators (radio central and repeater) that communicate over GPRS.

The remote radio system Supercom operates with a radio frequency of 433 MHz and a proprietary radio protocol of Sontex. A changeover from the radio remote readout with mobile devices to a radio remote readout with data concentrators and repeaters is possible at any time without any restrictions.

The remote radio system Supercom is a bidirectional radio system. It only transmits if required, avoiding any unnecessary radio disturbances (electro smog) and having the big advantage that most of the devices can be configured by radio.

Another major advantage of the system is that all measuring devices are always accessible and can be read out and configured 365 days per year.

All Sontex measuring devices are equipped with the Supercom radio remote reading system:

- Electronic heat cost allocator with radio, Sontex 556 (1-temperature sensor, 2- temperature sensors, compact and wall mounted device)
- Compact heat meter with radio, Supercal 539 (qp 0.6 – qp 2.5, optional with two pulse inputs and heating/cooling function)
- Radio module Supercom 580 for Elster water meter MO-A, MOZ-A, Picoflux EV-A
- Radio module Supercom 581 for Wehrle Modularis water meter
- Radio pulse adapter Supercom 541 with 1 or 2 pulse inputs (IP54 or IP68 for measuring device with pulse outputs like gas meters or electricity meters)
- Integrator with radio, Supercal 531 (Multi-functional, modular, with a lot of optional modules)
- Static compact heat meter with radio, Superstatic 449 (Fluidic oscillation measuring principle, qp 0.6 – qp 2.5)
- Static heat meter with radio, Superstatic 440 (Fluidic oscillation measuring principle, DN15 – DN500)

Supercom

Radio module Supercom 581
for Modularis water meter



EHCA Sontex 556



Radio pulse Adapter
Supercom 541



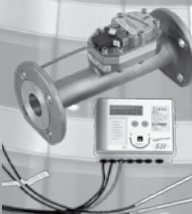
Compact heat meter
Supercal 539



Static compact heat meter
Superstatic 449



Static heat meter
Superstatic 440
DN15 – DN500



Radio Modem
Supercom 636



Bluetooth



M-Bus remote
display Sontex 624



USB / RS232
Modem



Repeater
Supercom 656 R



Radio central
Supercom 646



GSM / GPRS
TCP / IP

USB / Bluetooth

M-Bus



Supercom

The versatile possibilities of the Sontex radio system

The Walk-by solution: Radio remote readout with a mobile reading device

For a quick and easy access to the individual consumption data acquisition and billing process, the economical mobile solution of the Supercom radio system is the preferred choice.

The radio modem Supercom 636 with Bluetooth interface, combined with a commercially available PDA or Smartphone and the included software Sontex916 and Tools916, to configure and read out the devices, opens the way to a successful start with convincing advantages.

- The consumption data are available fast, safe and individually and can be processed immediately.
- The consumption data can be read out with the mobile device from the road side.
- Suitable for big and small buildings thanks to the wide radio range.
- Keeping of the tenants' privacy thanks to radio remote reading, no access to the apartments necessary.
- Via radio additional information like fraud or statistical data is transmitted and allows a transparent monitoring of a site at any time.
- Cost reduction due to time saving and flexibility with the read out. Read out is possible 365 days per year.
- Read out data are always available electronically. No fault-prone manual handling.
- The parameters of the devices can easily be adapted via radio.
- A changeover from the radio remote readout with mobile devices to a radio remote readout with data concentrators and repeaters is possible at any time without any restrictions and vice versa.





Supercom Readout on demand

Die Smart Metering solution: Radio read out via Repeater and Radio central with GPRS

The new radio central Supercom 646 with GPRS or M-Bus module and the new repeater Supercom 656 R are the consistent step for the integration of a site with radio devices in a Smart Metering environment. If the readout of the consumption data is done on site, from the office via modem or via a FTP server, every integration approach up to the fully automatic installation is possible.

The radio central Supercom 646 GPRS can receive specific SMS commands from a mobile phone to change or adapt the operation if necessary. This and many other functions allow an optimal integration in a Smart Metering solution.

The use of the radio central Supercom 646 is specifically suitable for large installations but also for small installations that are far away from the billing service, e.g. in another city, to still profit from a distinctive increase in efficiency.

The repeater Supercom 656 R is the logical addition to the radio central Supercom 646 for installations that require a bigger radio range. The repeater Supercom 656 R can be cascaded up to six times on the same remote chain and this severalfold per radio central. With this feature it's also possible to efficiently read out very large installations or buildings with a complex structure from only one radio central.

As the radio central Supercom 646 is also available with an M-Bus module, e.g. an existing M-Bus network can be easily extended with a radio network and the radio measuring devices will be directly read from an M-Bus central. The radio central becomes an M-Bus participant (slave) in an M-Bus network.





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