



## Application

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The Sensus Interface Radio Tool (SIRT) is a battery-powered radio transceiver modem used to communicate with SensusRF and Wireless M-Bus capable meters. Using Sensus developed software it provides the user with the ability to:

- Receive frequently transmitted radio messages from SensusRF radio endpoints
- Receive radio telegrams from Wireless M-Bus meters
- Retrieve additional information from SensusRF radio endpoints using Listen After Talk (LAT) technology
- Instigate remote configuration of SensusRF radio endpoints

The SIRT incorporates an internal antenna array to receive radio messages from the strongest signal (diversity capability).

Follow system requirements according to Sensus manuals.

The SIRT is provided with a rear clip to carry it as a belt box, which enables hands free usage for walk-by meter reading.

It can also be used for drive-by applications - an optional car antenna is available as an accessory.

The SIRT contains a high-capacity lithium-ion rechargeable battery, which enables long operational performance before it must be recharged. This battery must be handled and charged in accordance with the installation manual. A battery charger with a standard European power plug is supplied.

The external antenna plug and the USB plug are provided with caps for protection against rain water ingress.

# Features



Belt clip at the rear



Mini USB plug, ON/OFF switch and connector for external car antenna

## Parts of delivery

SIRT 868 MHz - order no. 04410531  
 (SIRT 433 MHz - order no. 04410538)

- SIRT radio modem with internal antennas
- USB cable with Mini B- and Type A-plug
- 100-240V 50/60Hz to USB 5V/1A mains power supply with European C-type plug



### Accessories

- External car antenna  
 868 MHz order no. 04410534  
 (433 MHz order no. 04410537)



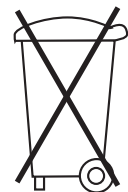
Technical specifications	
Frequency	868 MHz (433MHz)
PowerTx	25 mW @ 868 MHz (10 mW @433 MHz)
Modulation	2-GFSK, 2FSK
Supported Protocols	SensusRF (Tx/Rx) wM-BusT1, C1 (Rx)
Dimensions	95 x 145 x 35 mm
Weight	295 g
Bluetooth	Class II interface
Typical duration of usage with a fully charged battery	12 hours (continuous use)
Protection class	IP 53
USB	Version 2.0 (Mini B type)

Environmental Conditions	
Operation	min. -18 °C / max + 60 °C
Storage	min - 20 °C / max + 60 °C
Battery charging	min. 0 °C / max. 40 °C

Compliance	RED
	ROHS II
	EN 300 220-1 V3.1.1
	EN 300 220-2 V3.2.1
	EN 300 328 V2.1.1
	EN 301 489-1 V2.2.3
	EN 301 489-3 V2.1.1
	EN 301 489-17 V3.2.2
	EN 62368-1:2014+AC:2015
	EN 62479:2010
	EN 60529:1989+A1:1999+A2:2013
	EN 50581:2012

## Disposal

The SIRT contains a lithium ion rechargeable battery. In the interest of protecting the environment, this battery may not be disposed in household waste after its period of use. The local and national regulations for environmental protection are to be considered.



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