



APPLICATIONS

- The Bluetooth Receiver 868 is used for the mobile reading of HYDRO-RADIO consumption meters.
- Equipped with the direct mount antenna and attached to the belt of the reading personnel the Bluetooth Receiver 868 is used for walk-by reading.
- Installed in a vehicle with the external roof antenna (option) the Bluetooth Receiver 868 is also been used for drive-by reading.
- Together with the HYDRO-POCKET hand held computer and the HYDRO-RADIO software the Bluetooth Receiver 868 forms a complete meter reading system.

FEATURES

- Radio receiver for the reception of HYDRO-RADIO consumption meters using the 868 MHz ISM radio band.
- Bluetooth radio interface to the hand held computer, therefore, there is no cable connection necessary between the Bluetooth Receiver 868 and the hand held computer.
- Built-in, powerful NiMH accumulator, for a maximum uninterrupted operating time of 15 hours. 4 hours rapid charge of the accumulator with the accompanying power supply.
- 5 LED indicators for: power supply connected, rapid charge, device on, valid radio telegram received, invalid radio telegram received.



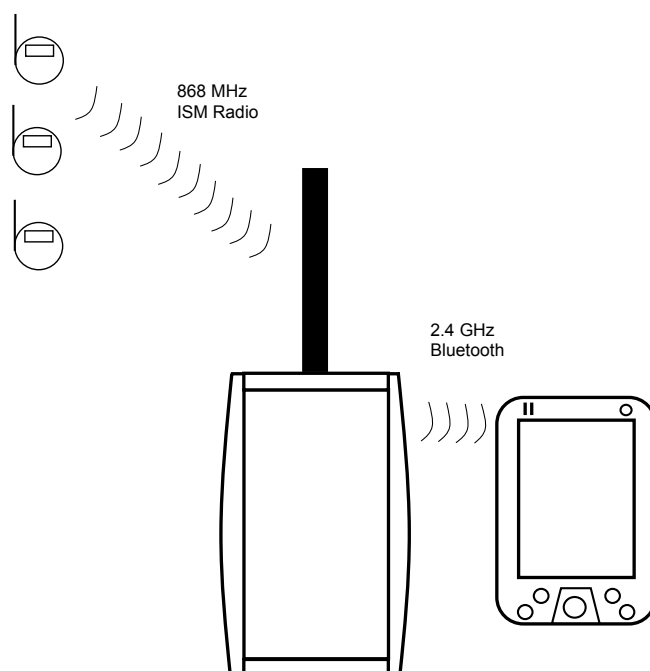
SPECIFICATIONS / INTERFACE

- 2.4 GHz Bluetooth version 1.1, class 2 (+4 dBm max. output power), range approx. 10 m).
- Serial Bluetooth profile.
- Serial Bluetooth transmission speed 115200 baud.
- 868 MHz receiver for HYDRO-RADIO consumption meters.
- Range of reception depending on the environment, up to 400 m (outdoor) or up to 30 m (indoor), respectively.
- Internal memory for the last 256 received radio telegrams.
- Integrated rapid charge module for NiMH accumulator
- 4 hours rapid charge with indicator when charging is terminated.
- Automatic fall-back to trickle charge (preservation charge) when rapid charging is terminated, therefore, it is possible to leave the Bluetooth Receiver 868 permanently connected to the power supply.
- Charge connector for accompanying power supply (12 V, 500 mA).

HOUSING / WEIGHT

- Black plastic housing with rubber armament and belt clip.
- Size approx. 155 x 95 x 27 mm (without antenna), length of antenna approx. 95 mm.
- Protective class IP44
- Weight approx. 350 g.
- Operating temperature +0°C ... +60 °C, 10% ... 70 % relative humidity (not condensing).

APPLICATION EXAMPLE



ORDER REFERENCES

Article	Description	Order Number
Bluetooth Receiver 868	Receiver for HYDRO-RADIO with Bluetooth interface	535 001 32
Car Installation Kit Bluetooth Receiver 868	Car Installation Kit for Bluetooth Receiver 868 with external magnet mount antenna and charger cable with cigarette lighter connector.	535 001 33

ACCESSOIRES

Article	Description	Order Number
HYDRO-POCKET	Hand held reading device with docking station	580 000 20
HYDRO-POCKET cable	Connecting cable HYDRO-POCKET to IrDa Opto interface	580 000 27
IrDA Opto Interface	Optical IrDA interface for HYDRO-RADIO modules	538 000 12
HYDRO-RADIO compact	HYDRO-RADIO module for BONYTO water meter	581 000 22
HYDRO-RADIO external	HYDRO-RADIO module for impulse meters	581 000 23

The latest software versions and more technical information is available at our internet download page:
www.hydrometer.com/systems