

Range One

Bluetooth reading device



Range One is designed for convenience and efficiency for staff working in the field.

State-of-the-art technology and algorithms used allows to read data from different type of devices (water meters, heat meters, heat cost allocators) and various manufacturers, whose devices comply with the Wireless MBus (EN 13757) or OMS standard.

The data collected during the readings are sent to the mobile application using Bluetooth communication technology. This guarantees for a wireless connection and operation on any type of mobile device with the Android operating system.



Performance

High sensitivity 868 MHz radio receiver makes reading of water meters installed in hard-to-reach places fast and easy.

Battery life

Low power hardware and energy-saving algorithms allows for continuous operation for up to 40 hours after one loading cycle.

Ergonomics

The ergonomic case shape and rubber sides ensures a secure grip and minimizes the risk of the device slipping out of the user's hand. Range One is equipped with an external antenna and USB port for recharging the battery. The front panel provides information about W-MBus transmissions, Bluetooth connection, and the battery level.

Simplicity

The device connects to the Rute One mobile application via Bluetooth, enabling wireless radio data reading. It supports firmware updates, ensuring easy maintenance and functionality expansion.

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Technical Features	
Radio frequency / power	868 MHz/20 m
Radio protocols	W W-Mbus EN13757-4, OMS Ready*
Signal coverage	500 m in line of sight
Communication with pairing device	Bluetooth 5.2
Supported pairing devices	Android O.S 6.0 or later, iOS 12 or later
Antenna	External (SMA connector)
Battery recharging/firmware update	Micro USB
Power Supply	Internal rechargeable lithium ion battery
Size (Lenght/Width/Height)	118 mm (no antenna) / 230 mm (with antenna) / 68 mm / 28 mm
Weight	110 g
Protection class	IP54
Storage Temperature	from -20°C to +65°C
Working Temperature	from -10°C to +55°C

* compliant with OMS standard requirements, not certified.