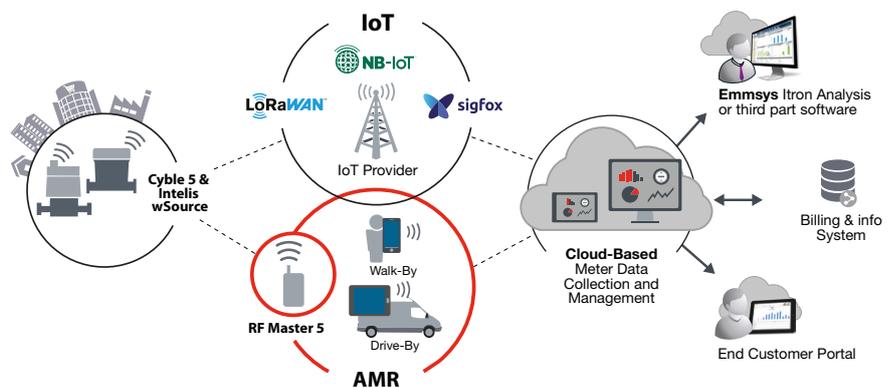# RF Master 5

Belt-Clip Radio for Mobile Reading and Configuration of the Cyble 5 and Intelis wSource

The RF Master 5 is an all-purpose, walk-by/drive-by reader and programmer for use with Itron's Cyble 5 and Intelis wSource. This lightweight portable device uses proprietary 434 MHz technology to communicate with the Cyble 5 and Intelis wSource and uses Bluetooth® connectivity to communicate with the Android device.

FEATURES AND BENEFITS

» **Ease of use**. The two diodes implemented on the RF master make it easy to follow-up and trouble-shoot the communication process in real-time.

» **Reliable**. Confirmation of radio signal reception from the meter. Confirmation of bluetooth link to Android device.

» **Robust**. Up to 2 days use without recharging.

» **Convenient**. Includes a belt clip located on its rear side to easily attach it to a belt, a pocket side or other.

Automated Meter Reading (AMR)
Wirelessly collect data from meters either in walk-by or drive-by mode using Itron's RF Master 5. Eliminates the need for physical access to the meter.

IoT Networks (Sigfox® or LoRaWAN™ or NB-IoT™)
Connect smart water meters to networks dedicated to the Internet of Things (IoT) using Sigfox® or LoRaWAN™ or NB-IoT™ technologies.
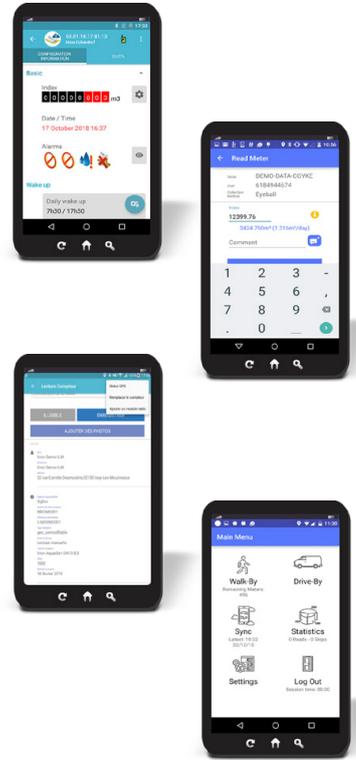
AN INNOVATIVE SOLUTION FOR SMART METERING

An indispensable field tool for Cyble 5 and Intelis wSource smart metering.

Field Configuration

When used with an Android device, the RF Master 5 allows the installation and configuration of the Cyble 5 and Intelis wSource. It also enables switching the Cyble 5 and Intelis wSource to the desired communication mode (Walk-by/Drive-by/LoRaWan™/ Sigfox®/NB-IoT™) throughout the latter's lifetime.

Walk-By/Drive-By AMR Reading

The RF Master 5 is a best in class mobile reader ensuring effective and fast drive-by and walk-by readings of the Cyble 5 and Intelis wSource. It is supported by Itron's Temetra solution and offers a seamless turnkey data collection experience.

434 MHZ RF UNIT FOR SMART METERING

Robust and ergonomic hardware enabling multi-mode smart meter reading.

Technical Specifications

Radio Frequency Features	
Protocol	wM-Bus
Modulation	Frequency Shift Keying
Frequency carrier	434 MHz ISM Band
Radiated power	≤ 10 mW
Transmission	Symmetrical two-way communication

Functional Specifications	
Power source	Lithium-ion rechargeable
Dimensions	H150 x L100 x W40 mm
Weight	192 g (without batteries)
Case protection	IP54
Operating temperature	-10°C / +55°C (when used without power supply) 0°C to 40°C (with power supply)
Storage temperature	-20°C / +70°C

Compliance

» Compliant with 2002/95/EC on non-usage of hazardous substances in electrical and electronic equipment
» Compliant with Directive 2014/53/EU on RF spectrum usage
» Bluetooth 2.1, SPP profile
» RoHs, WEEE CE

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