Cyble™ 5

Transformation. Without Disruption

As a water utility in Australia, you understand the challenges of non-revenue water (NRW) and water scarcity, while also responding to growing customer expectations and aging infrastructure. Data-driven solutions hold tremendous promise, and Cyble 5 delivers on that promise with valuable network insights to reduce water loss, protect revenue and lower operation costs.

THE ADD-ON ANSWER

Designed to transform mechanical meters, like the TD8, into communicating devices, Cyble 5 offers the advantages of digitalization without requiring meter replacements. With clip-on installation and mobile application support, Cyble 5 is a simple way to get the full value from your mechanical meters and an immediate network upgrade.

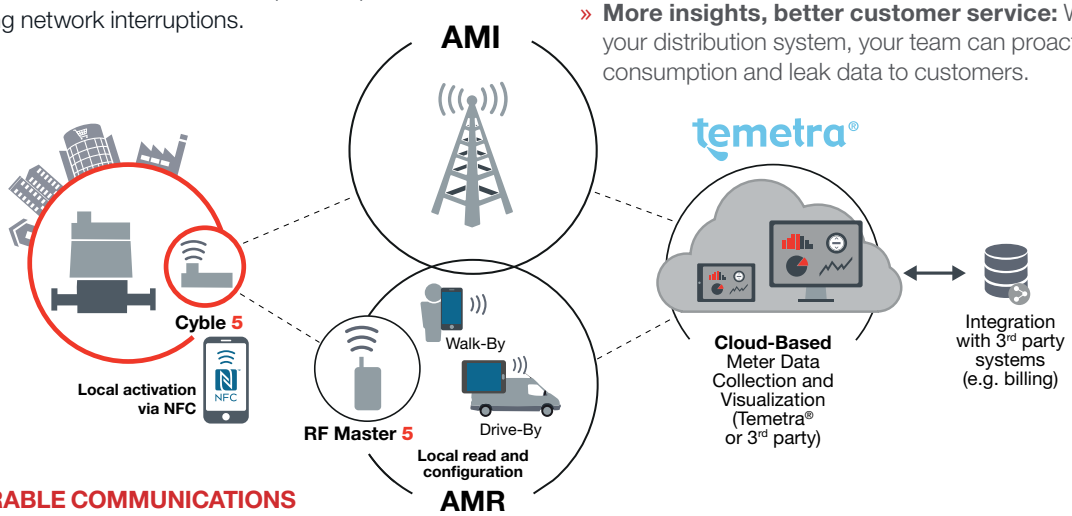
NO NETWORKING CONSTRAINTS

Multi-connectivity allows Cyble 5 to fit in complex deployments and maintain reliable data transfer as communications strategies shift. Out of the box, Cyble 5 operates in dual mode so utilities can transition from AMR to AMI at their own pace or provide AMR backup during network interruptions.

DATA-DRIVEN SAVINGS

In Australia, non-revenue water (NRW) accounts for nearly 900 million litres per year representing 3 million Australian dollars lost each year. In addition to making your billing process more efficient, Cyble 5 will record, store and communicate hourly consumption data and alarm events needed to drive programs for water conservation and non-revenue water.

- **An end-to-end water solution:** Cyble 5 provides information to help you better manage your entire water distribution system and accelerate leak resolution. Itron's powerful cloud-based platform Temetra is designed to support utilities in achieving these goals.
- **More insights, better customer service:** With more data on your distribution system, your team can proactively provide consumption and leak data to customers.



INTEROPERABLE COMMUNICATIONS VIA OPEN PROTOCOLS

Cyble 5 modules operate with open standard protocols in mobile data collection systems using wM-Bus or multi-purpose IoT networks (LoRaWAN/Sigfox/OMSv4 technologies). Cyble 5 can be activated locally via NFC.

MORE OPERATIONAL DATA

Cyble 5 helps utilities overcome key operational challenges by transforming data collected through AMR and/or AMI. Delivering timely, relevant, and extensive data sets, Cyble 5 allows for a better understanding of resources and improved customer relationships.

Billing index & consumption data logging

Daily billing and custom billing functions with precise 15-min resolution consumption data.

Meter sizing

Precise monitoring of the distribution flow recurring calculation of minimum and maximum values help detect meter sizing errors.

Sanitary risk prevention

Detection and quantification of backflow to help assess water quality and/or sanitary risk.

Alerts

Alarms are generated when important events are detected, such as:

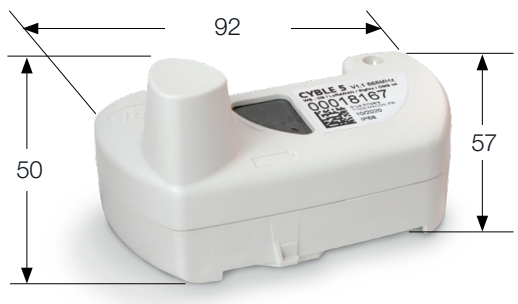
- Customer premise leaks (continuous flow)
- Tamper attempt (dismantling)
- Blocked meter (zero consumption)
- Oversize/undersize
- Water quality (high temperature)
- Low battery
- Time synchronisation failure

Technical Specifications

Radio Frequency Features	
Protocol	wM-Bus T2/C2, LoRaWAN™, Sigfox®, OMS v4
Modulation	FSK, BPSK (Sigfox®), CSS (LoRa®)
Frequency carrier	915-928 MHz (AMI) and 434Mhz (AMR)
Radiated power	< 25 mW
Battery lifetime	Up to 15 years

Functional Specifications	
Power source	Lithium batteries
Protection	IP 68
Relative humidity	0 to 100% - submersible
Operating temperature*	-10°C / +55C
Accidental temperature	-20°C / +70°C

* Under normal applications with the specified reference operating conditions.



Dimensions (mm)

PROVEN VALUE

The first version of the Itron radio modules have been in the field since 2001 and are still operating reliably today. We have deployed more than 200 million communication modules, including 2 million Cyble 5 units.

Cyble 5 is the latest evolution of our AMR/AMI modules, proven to deliver exceptional quality and return of investment.

- **Designed for the field**
  Easy to connect through a clip-on design with no wiring or wall mounting required, Cyble 5 is compact with an integrated antenna allowing for use in a wide range of existing meter-box installations.
- **Robust under severe conditions**
  Designed to resist water, contaminants, corrosion, rough handling, and temperature cycling for a reliability over time. Cyble 5 comes standard with IP68 certification.
- **Fine-tuned by decades of industry expertise**
  Itron's patented technology ensures that the Cyble module docks perfectly on the mechanical meter and does not move, resulting in sustained accuracy over time. Cyble 5 is compatible with Itron's Cyble-ready range of mechanical water meters.

COMPLIANCE

- IP68 certified according to EN 60529
- AS/NZS 62368-1
- AS/NZS 4268
- AS/NZS CISPR32
- EN 300 220

CONNECTIVITY CERTIFICATIONS

- LoRaWAN R1.0.4
- Sigfox V2.6.0
- OMS V4.1.2

LoRaWAN CERTIFIED™ sigfox ready

To learn more visit itron.com

Join us in creating a more resourceful world

While Itron strives to make the content of its marketing materials as timely and accurate as possible, Itron makes no claims, promises, or guarantees about the accuracy, completeness, or adequacy of, and expressly disclaims liability for errors and omissions in, such materials. No warranty of any kind, implied, expressed, or statutory, including but not limited to the warranties of non-infringement of third party rights, title, merchantability, and fitness for a particular purpose, is given with respect to the content of these marketing materials. © Copyright 2025 Itron. All rights reserved. **SYS-0074.APAC.02-EN-11.25**

Itron
8 Rosberg Road
Wingfield, SA, 5013
Adelaide - Australia
Phone : +61-8-8169-2500