

# 200WM/200WP Water Endpoint



## Functional:

Power Source

1 D-cell lithium battery

Programming Parameters

- Transmit Bubble-Up Interval
- Transmit Bubble-Up Channel
- Receive Bubble-Up Interval
- Meter Register Type
- Data Logging Interval
- Register Cable Type (2 or 3 wire)
- Channel Frequency
- Endpoint Password
- System Parameters
- Leak Detection Parameters
- Security Violation Tamper
- Register Communication Tamper
- Initial Consumption Reading
- Encoder Driver
- Location ID
- Part Number

Data Security

- Cut cable
- Communication error
- Reprogramming attempts/counter

Operating Temperatures

-40°F to +158°F (-40°C to +70°C)

Operating Humidity

Up to 85% relative humidity (RH)

Product Identification

Numeric and bar-coded serial number

Installation Options

200WM: wall-mount indoors or outdoors  
(includes 3 gel pack connectors for electrical connections)  
200WP: pit-set or wall-mount

## Operational

Transmit & Receive Frequency

1427 MHz to 1432 MHz

Modulation

Frequency Modulated (FM)

## Approved Reading Devices

Itron's Fixed Network Cell Control Unit  
Water Endpoint Programmer

## Regulatory & Standards:

FCC Compliant: Part 90 verified

**Application.** The 200WM/200WP Water Endpoint is an advanced meter data collection device designed specifically for the Itron Water Fixed Network. The 200WM is intended for indoor and outdoor wall-mount applications and the 200WP for pit-set and wall-mount applications. Its high-power, 1-watt radio frequency (RF) output improves performance to substantially reduce the number of data collectors required, dramatically lowering equipment, implementation and operating costs as compared to lower-powered RF networks.

**Water Meter Compatibility.** The 200WM/200WP is compatible with industry-leading water meters including Elster AMCO, Badger, Hersey, Metron-Farnier, Neptune and Sensus, enabling water utilities to consolidate all their water meters under a single, advanced-metering RF network. The two-way radio capability of the 200WM/200WP facilitates quick configuration changes and future updates without visiting the meter, further reducing operating expenses. Powered by a long-life D-cell lithium battery, the 200WM/200WP endpoint delivers a 20-year battery life<sup>1</sup>.



**Data Logging.** The 200WM's/200WP's network-programmable data logging<sup>2</sup> capability can store 35 days of hourly consumption information or eight days of 15 minute interval data. Interval data collected via the Itron Water Fixed Network supports water conservation programs, virtual turn-on's and turn-off's, identifies stuck (zero-consumption) meters, facilitates commercial meter right-sizing, reduces procurement costs from over-sized meters and maximizes water revenue when under-sized (under-reporting) meters are identified and exchanged.

**Leak Management.** Distribution system leaks can be identified and localized by comparing metered supply water with metered consumption water totals within a distribution system zone over time-synchronized 24-hour time periods. Once system leaks are identified and corrected, water utilities reduce water loss and see reductions in their supply, energy (pumping and treatment), chemical, maintenance, and field service expenses. Water utilities can further leverage effective leak management by deferring expenditures for additional water and treatment capacity. End-user leaks, downstream of the meter, are identified by a patent-pending algorithm in 200WM/200WP and reported via alarm and leak-value messages, increasing customer service and making water conservation programs both practical and manageable.

**Revenue protection.** To minimize the possibility of water theft, the 200WM/200WP will transmit a message flag if the register cable is cut or disconnected. Additionally, security seals, and the ability to monitor reverse-flow conditions and water consumption every hour of every day will minimize water theft and increase water utility revenues. The 200WM/200WP also transmits a message flag to alert the utility if there are any communication problems with the water meter register, allowing water utilities to quickly identify and resolve metering problems.

The long battery life, the ability to connect two water meters to a single 200WM/200WP, unmatched functional capabilities and Itron's outstanding product reliability and support provide water utilities the most feature-rich, price-competitive water fixed network on the market.

<sup>1</sup> Battery life will be affected by various operating conditions. The expected 20-year period stated in this document is based on operating parameters as programmed at the time of manufacture for a single meter register connection.

<sup>2</sup> Data Logging requires two-way network functionality.

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