



Knowledge to Shape Your Future

Water Endpoint 60W

Overview

60W Water Endpoint

The 60W Water Endpoint is the newest addition to Itron's portfolio of advanced water metering devices and is compatible with encoded registers from industry-leading water meter manufacturers. The 60W works with Itron's current meter reading and host-processing software and whether you're just starting your automated metering project or already using Itron Water ERT Modules, the 60W is compatible with your preferred meters and the right choice for your meter reading needs.

Ease of Installation

The 60W includes integral fasteners for mounting the endpoint below compatible meter pit lids atop either standard-dimension reinforcing rod (re-bar) or aside plastic PVC pipe by using common plastic cable ties. The 60W can also be screw-fastened to flat surfaces or, by snapping on the optional pit lid adapter, mounted through metal pit lids via a 1.75" hole. The 60W's compact shape and optional in-line register cable connector make installations up to 300 feet from the water meter quick and easy. The 60W requires no FCC license or programming.

Superior Performance

The 60W utilizes 50 radio channels randomly selecting one channel for each data message. This multi-channel approach delivers higher read integrity over competing products by reducing the effect of interfering signals from other radio products. Additionally, Itron has increased the 60W's radio frequency (RF) output power and employed an advanced antenna to maximize meter reading performance.

Reliability

The 60W's circuit assembly and 20-year battery pack are fully encapsulated within a specially-formulated potting material that completely protects internal components from water, contaminants, corrosion, rough handling and temperature cycling. With its simple design, the 60W uses substantially fewer components than most competing products, resulting in lower overall service costs. The advanced, integrated antenna operates well under a wide range of meter box lids, effectively protecting the 60W from lawn mowers, vehicle traffic and other hazards.

Lower Cost of Ownership

Itron's industry-leading, 20-year battery life ensures your AMR investment will achieve substantially better financial returns than competing products with batteries that typically last only ten or twelve years. Additionally, the 60W's advancements in leak, reverse-flow and tamper detection translate into fewer field investigations and substantially lower expenditures for installation, meter reading, customer service and field service.



specifications

Functional

- > Power Source: Two "A" cell lithium batteries rated for 20-year operation
- > Meter Register Polling Interval: Hourly
- > Operating Temperatures: -40°F to +158°F (-40°C to +70°C)
- > Storage Temperatures: -40°C to + 75°C for maximum of 1,000 hours
- > Humidity Limits: 0 to 100% (submersible)
- > Maximum Register Cable Dimension: 300 feet with Itron-approved cable and splice connectors
- > Meter Compatibility: Encoded-register water meters as documented in Itron Water ERT Module Compatibility List, PUB-0063-002

Transmission Parameters

- > Data Message: Multiple RF channel transmissions of meter register value, register communication (cut cable) status, leak and reverse-flow messages broadcast every seven seconds
- > Cut Cable/Communication Error Message: Enabled after 24 consecutive, unsuccessful, hourly register communication attempts
- > Transmitter Frequencies: 910 – 920 MHz @ +10 dBm (10 milliwatts)

Approved Reading Devices

- > Network System: Itron Fixed Network CCU Version4 and Data Repeaters
- > Drive-by System: Itron Mobile Collection System and Mobile Field Collector
- > Walk-by System: Itron G5R and FC200R Handheld Computers

Dimensions

- > Height: 4.5 inches
- > Maximum Diameter:
 - Lower: 2.90 inches
 - Upper: Approx. 1.70 inches
- > Weight: Approx. 5.5 oz.
- > Endpoint Cable Length with In-line Connector: 6 inches
- > Endpoint Cable Length without In-line Connector: 5 feet
- > Register Cables for Use with In-line Connector: 5 feet and 20 feet

Mounting Options

- > Custom-fastener slots for future attachment to OEM mounting adapters
- > Top-mount to standard 3/8" reinforcing rod (re-bar)
- > Wall-mount to suitable backing material with user-supplied mounting screws
- > Through meter pit/box lids with optional snap-adaptor and security clamp for 1.75" diameter holes up to 2.5" maximum lid thickness
- > Side-mount to either 3/4" or 1" PVC pipe via user-supplied plastic cable ties

Regulatory and Standards

- > FCC Part 15.247
- > Industry Canada #210, Section 6.2.2(o)

Note: These product specifications are preliminary and subject to change without notice.

profile

Itron Inc.

Itron is a leading technology provider and critical source of knowledge to the global energy and water industries. Nearly 3,000 utilities worldwide rely on Itron technology to deliver the knowledge they require to optimize the delivery and use of energy and water. Itron delivers value to its clients by providing industry-leading solutions for electricity metering; meter data collection; energy information management; demand response; load forecasting, analysis and consulting services; distribution system design and optimization; web-based workforce automation; and enterprise and residential energy management.

To know more, start here: www.itron.com



Corporate Headquarters

2818 North Sullivan Road
Spokane Valley, Washington 99216
U.S.A.
Tel.: 1.800.635.5461
Fax: 1.509.891.3355