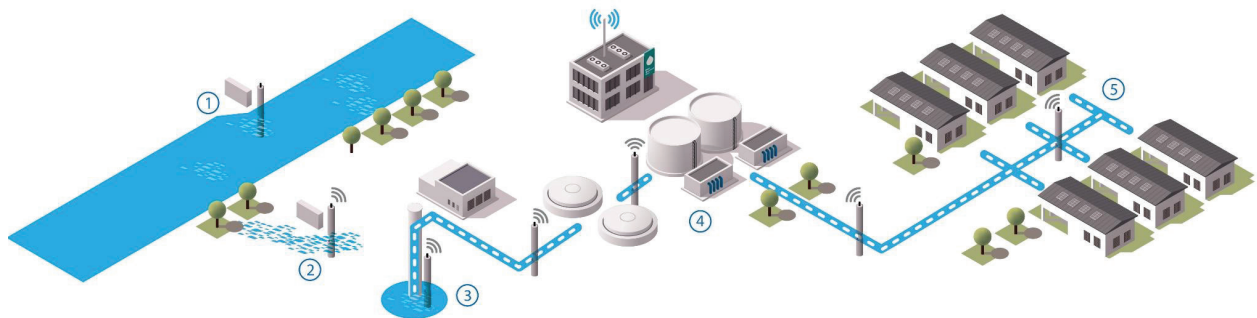




Technology-Driven Operational Insights

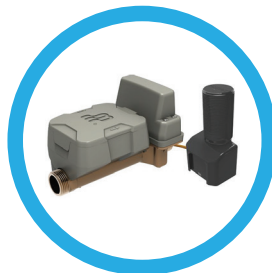
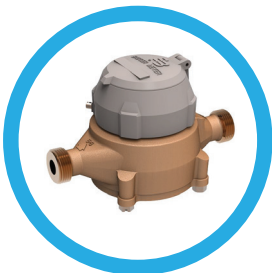
Flow Meters | Water Quality & Distribution Monitoring | Data Collection & Analysis



The Path of Drinking Water: Supply to Use

- ① Surface Water Monitoring ② Bank Filtration Monitoring ③ Ground Water Monitoring
④ Treatment Plant – Process Control ⑤ Distribution Network Monitoring

- Disc Meters
- Ultrasonic Flow Meters with Integral Actuation Valve
- Mag Meters
- Automated Meter Reading (drive-by)
- Advanced Metering Infrastructure (cellular)
- Best in Class BEACON Meter Data Management and Analytics System
- Leak and Burst Detection
- Distribution Water Quality Monitoring and Analytics
- Saddles, Corp Stops and Circuit Setters





Recordall®



Disc Series Meters

Turbo Series Meters

Compound Series Meters

Fire Hydrant & Fire Series Meters

Recordall® meters are ideally suited for any water application, performing with great accuracy over a wide flow range. The Recordall product offering includes Disc Series Meters, Turbo Series Meters, Compound Series Meters, Fire Series Meters, and Fire Series Assemblies.

ModMAG® Electromagnetic Flow Meters



M2000 Standard

Other Versions:

- M1000 Basic
- M3000 Class 1/Division 2
- M4000 Class 1/Division 1
- M5000 Battery Powered

Whether it's improving accuracy, decreasing system maintenance or meeting the demands of challenging liquid conditions, Badger Meter Electromagnetic meters deliver the performance your critical flow measurement applications require.

Encoders®



HR-E®

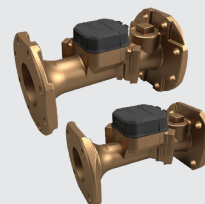
HR-E LCD

Badger Meter offers the latest innovation in both mechanical and electronic high-resolution encoders. Our encoders convert flow data into an electronic format for storage and transmission to AMR or AML endpoints and industrial network systems.

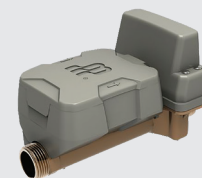
E-Series®



E-Series Ultrasonic Meters for Residential Applications
5/8", 5/8" x 3/4", 1", 1-1/2" & 2"



E-Series Ultrasonic Meters for Commercial Applications
3", 4", 6" & 8"; 10" & 12" soon



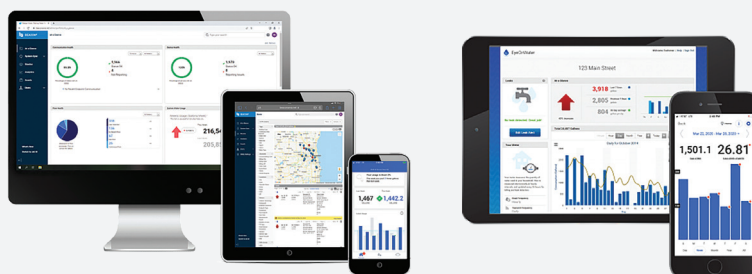
E-Series Ultrasonic Plus Meters
5/8" x 3/4" & 3/4"
Integral minimum flow valve

E-Series® Ultrasonic meters use solid-state technology in a compact, encapsulated, weatherproof and UV-resistant housing—suitable for both residential and commercial applications. Equipped with an easy-to-read, 9-digit LCD display, the ultrasonic meter presents consumption, rate of flow, reverse-flow indication, and alarms. With no moving parts, the it is virtually maintenance-free and has greater extended low flow accuracy compared to mechanical meters.

BEACON®

Software as a Service (SaaS)
EyeOnWater® Consumer Engagement

**Simple Solution. Powerful Analytics.
Utility Efficiency.**



BEACON SaaS with ORION NaaS powered by cellular endpoints puts 15-minute interval meter data to work, increasing efficiency in day-to-day utility operations and addressing demands for operational transparency. Comprehensive Analytics. Informed Decision Making. Meter Data Management. Proven Interoperability.



AMI/Cellular Endpoints



AMR Endpoints



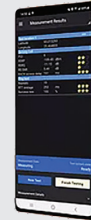
Trimble Yuma Tablet



Trimble Ranger Handheld



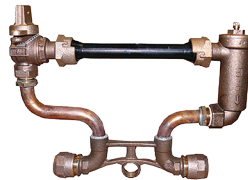
Panasonic TOUGHBOOK Model CF-33



Nemo IoT Meter

ORION® Cellular endpoints are an evolution in AMI technology, strengthened by the Network as a Service (NaaS) approach.

Need quality, competitively-priced brass with reasonable lead times?



Saddles, Corporation Stops, Circuit Setters

Designed for performance, long life and durability, these products cater to water distribution professionals who demand the very best in the systems they manage.

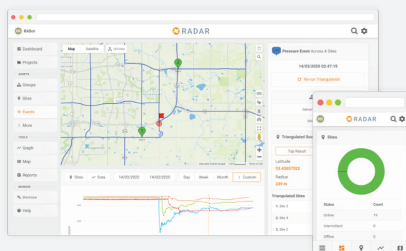
Syrinix



Leakage and burst reduction through data-led network calming

Our innovative **network calming** and transient analysis tools, including **pressure waveform classification**, **event source triangulation** and smart event alarms, can calm your network, mitigating and reducing future leakage effectively and quickly.

- Leakage and burst reduction through data-led network calming
- Detect and locate leaks via acoustic leak detection
- Improve critical response times via burst locating alarms
- Extend asset lifetimes with operational insights
- Transformative insights into pumped main performance



RADAR Cloud Data Platform

- Device deployment planning
- RADAR + advanced pressure analysis
- Force main and lift station monitoring
- 2-in-1 leak detection + transient analysis
- Customer service and support

To water-centric operations, frequent and precise monitoring at critical points in the system is the most cost-effective means of driving down complaints, improving compliance ratings and reducing operating expenditures.



Probes—Spectrometric, amperometric, ion-selective, optical and other **maintenance-free** single and multi-parameter probes—s::can is known for **reagent-free water quality monitoring**.

Monitoring Stations—Simple packaged deployment with powerful and versatile industrial process control terminals.

pipe::scan—An **NSF-approved, no-waste/no-loss media monitoring station** that houses multiple s::can probes and attaches directly to your distribution piping.



Probes—**Reagent-free water quality monitoring** of over 20 parameters for rivers, water treatment, potable distribution, process and waste water treatment.

MetriNet—A customized and modular smart water data collection system comprised of a modular media flow system with up to 8 flow chambers in which its industry-leading M-node sensors (sensor and transmitter housed within a miniature body) connect.

Monitoring Stations—**Industry's first, ground-breaking range of smart water quality monitors** including MetriNet, SeptiNet, NephNet, ChlorNet and SiteBox.

PARAMETERS PER APPLICATION

Additional parameters are available

	BOD	COD	BTX	TOC	DOC	UV254	NO ₃ -N	NO ₂ -N	NH ₄ -N	K+	Free Chlorine	F-	TSS	Turbidity	Color	pH	ORP	EC	Temperature	O ₂	O ₃	H ₂ S	AOC	Fingerprint	Contaminant Alarm
Environmental Monitoring of River Water	■	■		■	■		■	■	■	■			■	■	■	■	■	■	■	■		■		■	■
Environmental Monitoring of Ground Water	■	■	■	■	■		■	■	■	■			■	■	■	■	■	■	■	■		■		■	■
Source Water Monitoring				■	■		■	■	■	■				■	■	■	■	■	■	■		■		■	■
Intake Protection				■	■		■	■	■	■				■	■	■	■	■	■	■		■		■	■
Source Water Blending				■	■		■	■	■	■				■	■	■	■	■	■	■		■		■	■
Process Control Filtration				■	■		■	■	■	■				■	■	■	■	■	■	■		■		■	■
Process Control Coagulation				■	■	■								■	■	■	■	■	■	■				■	■
Process Control Sedimentation				■	■									■	■	■	■	■	■	■				■	■
Process Control Flotation				■	■									■	■	■	■	■	■	■				■	■
Process Control Disinfection						■			■		■			■	■	■	■	■	■	■				■	■
Process Control Advanced Oxidation					■	■								■	■	■	■	■	■	■	■		■	■	■
Process Control Fluoridation												■				■	■	■	■	■				■	■
Advanced Water Treatment				■	■		■	■	■	■				■	■	■	■	■	■	■			■	■	■
Finished Water Monitoring				■	■				■	■		■		■	■	■	■	■	■	■				■	■
Reservoir Monitoring				■	■				■	■		■		■	■	■	■	■	■	■				■	■
Distribution Network Monitoring				■	■		■	■	■	■		■		■	■	■	■	■	■	■	■			■	■

Distribution Water Quality

- **Disinfectant Monitoring** – Chlorine & Chloramine
- **Organics Monitoring** – TOC, DOC & UV254
- **Turbidity** – NTU
- **Physical Parameters** – pH, ORP & Electrical Conductivity
- **Color** – Apparent and True
- **Nitrate and Nitrite**

Why Distribution Monitoring?

- **Monitoring for Contamination Events**
- **Source Water Tracking**
- **Nitrification Monitoring**
- **Custody Transfer**
- **Potential to Identify Leaks**