

# Capture more revenue with the right residential water meter.

The right residential water meter can reduce non-revenue water, improve customer service and conserve resources—ultimately boosting your utility's revenue and reputation.

The ideal meter measures smarter and delivers more value for your investment. It is rugged, accurate and dependable, and it is simple to install and operate.

**So, what is the right choice?**

## Metrology features to consider



### Continuous measurement

**Electromagnetic technology is the best residential meter technology.** Continuously measures flow across the entire flow tube based on voltage generated when water passes through a magnetic field. Ideal for accurately measuring intermittent real-world consumption.

**Mechanical meter: Positive displacement and velocity**  
Measures flow through friction created by water physically moving and rotating meter parts. Can capture intermittent flows but can miss capturing the lower flow rates that static meters are able to measure.

**Static meter: Ultrasonic**  
Captures flow by measuring the difference in transit time of sound pulses with and against the flow's direction. Missed consumption is possible because the entire flow-tube area is not measured.



### Low-flow accuracy

**Electromagnetic technology provides superior low-flow accuracy, capturing flow as low as 0.03 GPM.** Proven to help utilities capture more revenue than ever before.

**Mechanical meter: Positive displacement and velocity**  
Low-flow accuracy is poor. Measurement depends on having enough water present to physically move the oscillating piston, nutating disc or impeller.

**Static meter: Ultrasonic**  
Performance can be limited, depending on the state of the transducers that reflect the sound pulses the meter needs to measure.



### Low cost of ownership

**Electromagnetic technology provides long-term accuracy for a lower total cost of ownership.** Real-world field disturbances (temperature, particulates, flow) have no effect on meter accuracy. No moving parts means no replacement or physical maintenance for the life of the meter.

**Mechanical meter: Positive displacement and velocity**  
Moving parts wear out over time and are susceptible to particulates, resulting in a shorter asset life than static meters. To maintain performance, testing programs are required.

**Static meter: Ultrasonic**  
Sensitive and critical components constantly exposed to flow and water sediment are at risk for degradation or damage. Could lead to higher costs of ownership because of repair and replacement costs.

## Smart alarms

The ideal residential meter should have various smart alarms to detect issues in the distribution system such as leaks, reverse flow, tamper, high flow, low battery and empty pipe, as well as alarms for temperature and pressure.

## Sensus smart water meters

Improve customer service, reduce operating costs and protect your revenue potential through patented electromagnetic technology. Explore the most accurate residential meters on the market.



- iPERL®**
- Maintains new-meter accuracy over its 20-year asset life, providing a lower total cost of ownership.
- Supports residential potable, reclaimed and fire service applications.
- No replacement or maintenance for the 20-year life of the meter—no truck rolls!
- Industry-leading 20-year warranty. Includes 100% coverage for the first 15 years.



- ally®**
- Integrated 3-state ball valve for remote service turn-on, shut-off or restricted use.
- Proprietary actuator valve within the meter—no external modifications needed for installation.
- Integrated pressure and temperature sensors for greater insight and control of your water distribution system.

**Experience the benefits of superior smart water technology performance like these communities:**



### Dallas, Georgia

Captured an additional 600,000 gallons of billable consumption in four months with iPERL® smart water meters.



### Hendersonville, North Carolina

Gained system pressure insight from additional data points with ally® smart water meters to detect and locate main burst incidents.