

## Meter Testing

Water meters are a utility's cash registers. Monitoring and maintaining the accuracy of your system is a critical factor in reducing non-revenue water within the organization. Although low-maintenance magnetic and ultrasonic meters are becoming more common, most utilities have large numbers of traditional mechanical meters, which are prone to wear over time.

Fortiline offers meter accuracy testing services for water meters of all brands, types and sizes. We use a calibrated bench for in-house testing of 5/8" through 2" meters, and portable test meters for in-field accuracy checks.

Fortiline technicians are experienced with a variety of meters and testing situations, and meter repair, removal and replacement.

## Meter Maintenance Programs

Fortiline has extensive experience with all water meters, AMR, and AMI systems on the market. We can provide customized programs to evaluate the condition of your metering system, correct immediate problems and keep it running smoothly for the long term.

Maintenance programs may consist of:

- Troubleshooting and repair of meters, transmitters and other radio components
- Accuracy testing services
- Field replacement of meters and components

Fortiline is ready to take care of all your meter maintenance needs in order to maximize the efficiency and accuracy of the reading and billing process. We will design and deliver the program that fits your utility, whether it is every week or every once in a while as needed.

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# Metering Services





## Meter Installation

Fortiline is proud to offer comprehensive, professional meter installation services for water utilities. Our experienced installation and project management team has successfully completed AMI and AMR deployments of all sizes.

We cover all the bases:

- Dedicated to safety at all times
- Quality installations
- Accurate transfer of meter changeout data to the utility
- Integration with billing systems
- Minimal disruption of service to the customer and utility operations
- Fully insured and bondable
- Licensed Utility Contractor

Fortiline uses a data collection system that electronically records changeout data such as meter and transmitter identification numbers, final consumption reading, etc. but also captures GPS coordinates and multiple photographs of each location. Information is accessible in near real time by installers, project management and utility personnel.



## Water Accountability Services

One of the most serious concerns of water utilities is “non-revenue water (NRW)”, the measure of water that has been produced but is “lost” due to unbilled consumption, real losses or apparent losses.

### Real Losses

Real losses consist of leaks in your distribution network whether they be on your main supply lines, storage facilities, or on your service connections (before the meter). Even relatively small leaks can contribute greatly to your water loss. Experienced Fortiline technicians use acoustic leak and correlation technology to detect and precisely locate underground leaks in problem areas, or through a complete system-wide survey.

### Apparent Losses

Apparent losses are due to unauthorized usage (theft) or meter inaccuracy. Meter inaccuracy can be caused by improper installation and/or mechanical wear over the life of the meter. Periodic accuracy testing programs are recommended by the AWWA, meter manufacturers, and many state regulatory agencies. Fortiline can survey your meter system and help develop these programs, provide complete accuracy testing services, and make recommendations on any changes in meter sizes or settings that may be beneficial.

Contact Fortiline to discuss a plan to maximize and maintain your accountability.