



# MONARCH INSTRUMENT

*the professional's choice*

## Hydrostatic Pressure Testing Requirements for Water Distribution System Installation or Replacement

Contractors are required to either test or hire certified testing companies to perform pressure and leakage testing in accordance with the applicable [AWWA Standards and Specifications](#). The testing company is required to submit certified leakage testing results to the system operators or owners for each section of water main tested. All water mains, appurtenances, and hydrant branches must be pressurized by the testing company to a minimum of 1½ times the normal working pressure of the water main or 150 psi, whichever is greater, for at least 2 hours. If a section of water main piping fails pressure and leakage testing, the contractor is required to repair or replace the defective section of pipe, fitting, valve, or joint. The testing company shall then conduct additional testing until satisfactory test results are achieved.

The American Water Works Association (AWWA) provides information in both video and as printed manuals on Hydrostatic Testing and best practices including the following materials:

- Concrete Pressure Pipe (M9),
- Steel Pipe (M11),
- PVC Pipe (M23),
- Ductile-Iron Pipe (M41), and
- PE Pipe (M55)

Demonstrating best practices for:

- Flushing and cleaning new pipe prior to testing
- Bleeding trapped air
- Bracing and thrust blocking
- Filling and pressuring pipelines
- Test pressures and durations for various pipe types
- Allowable leakage, if any
- Measuring makeup water
- Variations in test procedures for each type of pipe
- Disinfecting pipes prior to putting into service
- Record keeping

See the [LINKS](#) below for access to Hydrostatic Testing and other valuable AWWA resources.



### [Track-It™ Pressure/Vacuum Logger with Display](#)

- Pressure and Vacuum
- Real-Time Alarms
- Min/Max on screen
- Including Free Track-It™ Software and USB cable



### [Track-It™ Pressure/Vacuum Hydrant Water Pressure](#)

- Submersible 316L stainless steel housing
- ¼" NPT fitting
- Five year battery life



# MONARCH INSTRUMENT

*the professional's choice*

Monarch Instrument's [Pressure Data Loggers](#) are the ideal tool for measuring, recording pressure, and generating reports for these tests. Our reliable, accurate, field-proven instruments are *the Professionals Choice*™ for this requirement.



## American Water Works Association

- [AWWA Field Guide: Hydrostatic Testing](#)
- [Water Distribution Operator Training: Hydrants](#)
- [AWWA Field Guide: Hydrant Flow Tests](#)
- [AWWA Field Guide: Valve Operation And Maintenance](#)
- [Repairing & Replacing Fire Hydrants](#)
- [Water Main Disinfection And Dichlorination](#)

[AWWA Members](#) receive a significant discount on training materials

Understanding more about Pressure Loggers.

[Which one is the right one for me?](#)

Email Monarch Instrument : [sales@monarchinstrument.com](mailto:sales@monarchinstrument.com)



### [Track-It™ Pressure/Vacuum Transmitter with Display](#)

- 24v DC Powered
- Pressure and Vacuum
- Temperature
- Including Free Track-It™ Software and USB cable