

thermo scientific



Regulatory compliance testing
made easy

Thermo Scientific products for drinking water
quality and security

ThermoFisher
SCIENTIFIC

Drinking Water Analysis

Municipal Drinking Water Treatment

Millions of Americans depend on public and private systems for their high quality drinking water. In fact, there are more than 160,000 public water systems alone that reliably meet the needs of the country every day.

Drinking water safety is clearly a critical priority. Yet the number of threats to water safety continues to grow daily, and include animal and human waste, improper disposal of chemicals, pesticides, and deep earth injection of hazardous materials. Contamination is also a threat due to improper water treatment and disinfection procedures, as well as from poorly maintained water distribution systems.

The U.S. Environmental Protection Agency, through the Safe Drinking Water Act, has established national health-based standards that address both man-made and naturally occurring contamination. Compliance requires consistent, accurate measurement of water parameters

performed in the lab, field and on-line. While many measurements can be made in the lab, key variables such as pH, conductivity, fluoride and chlorine can also be measured on-line in real-time to warn immediately if limits are exceeded.



Featured Products



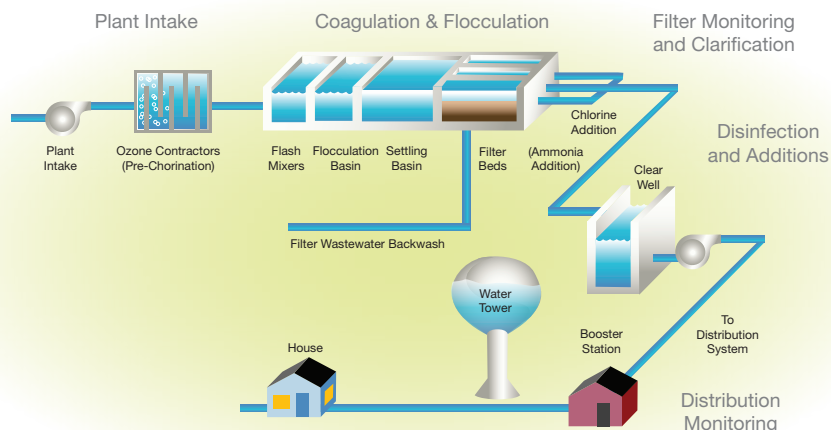
AquaSensors AquaClear Low-Range Turbidimeter
Delivers highly accurate turbidity measurements in drinking water applications.

- Simple to operate
- Meets or exceeds USEPA method 180.1
- Pre-calibrated measurement
- Plug-and-play sensor heads
- Seamless integration with industrial control systems



AquaSensors DataStick pH Measurement System

- Built-in electronics are encapsulated and sealed, and protected from moisture and humidity; seamless integration with industrial control systems.
- Differential pH measurement
- Plug-and-play sensor heads
- Pre-calibrated sensor (no field calibration)
- Replaceable quad junction salt bridges



Thermo Scientific™ Products for Drinking Water Treatment:

| Plant Intake | Coagulation & Flocculation | Filter Monitoring & Clarification | Disinfection & Additions | Distribution Monitoring |
|---|---|--|--|---|
| <ul style="list-style-type: none"> Thermo Scientific™ AquaSensors™ DataStick™ pH Measurement System Thermo Scientific™ AquaSensors™ AnalogPlus™ Differential pH Sensors Thermo Scientific™ AquaPro™ Multi-Input Intelligent Process Analyzer AquaSensors DataStick Wide-Range Turbidity Measurement System Thermo Scientific™ Orion™ Chlorine XP™ Water Quality Analyzer Thermo Scientific™ Orion Star™ A Benchtop and Portable Laboratory Meters | <ul style="list-style-type: none"> Thermo Scientific™ Orion™ pHR Process ROSS™ Electrode AquaSensors DataStick pH Measurement System AquaSensors AnalogPlus Differential pH Sensors AquaPro Multi-Input Intelligent Process Analyzer AquaSensors DataStick Wide-Range Turbidity Measurement System Orion Star A Benchtop and Portable Laboratory Meters | <ul style="list-style-type: none"> Thermo Scientific™ AquaSensors™ AquaClear™ Low-Range Turbidimeter Orion pHR Process ROSS Electrode AquaSensors DataStick pH Measurement System AquaSensors AnalogPlus Differential pH Sensors AquaPro Multi-Input Intelligent Process Analyzer AquaSensors DataStick Wide-Range Turbidity Measurement System Thermo Scientific™ AQUAfast™ AQ4500 Turbidity Meter | <ul style="list-style-type: none"> AquaPro Multi-Input Intelligent Process Analyzer Orion Chlorine XP Water Quality Analyzer Orion 2109XP Fluoride Analyzer AquaSensors DataStick Dissolved Ozone Measurement System Orion Star A Benchtop and Portable Laboratory Meters Orion AquaMate UV-Vis Benchtop Spectrophotometers AQUAfast AQ3700 and AQ3070 Colorimeters | <ul style="list-style-type: none"> AquaPro Multi-Input Intelligent Process Analyzer Orion Chlorine XP Water Quality Analyzer Orion Star A Portable Laboratory Meters AQUAfast AQ4500 Turbidity Meter AQUAfast AQ3700 and AQ3070 Colorimeters |



Orion pHR Process ROSS Electrode with AquaPro Multi-Input Analyzer
Fast, accurate, drift-free pH measurements in on-line applications. Minimal maintenance and long-term reliability provide low cost of ownership.

- Unique ROSS drift-free reference system provides long lifetime
- Accurate and reproducible results
- Exceptional pH response to extreme temperature changes
- Easy-to-use and configurable AquaPro multi-channel analyzer



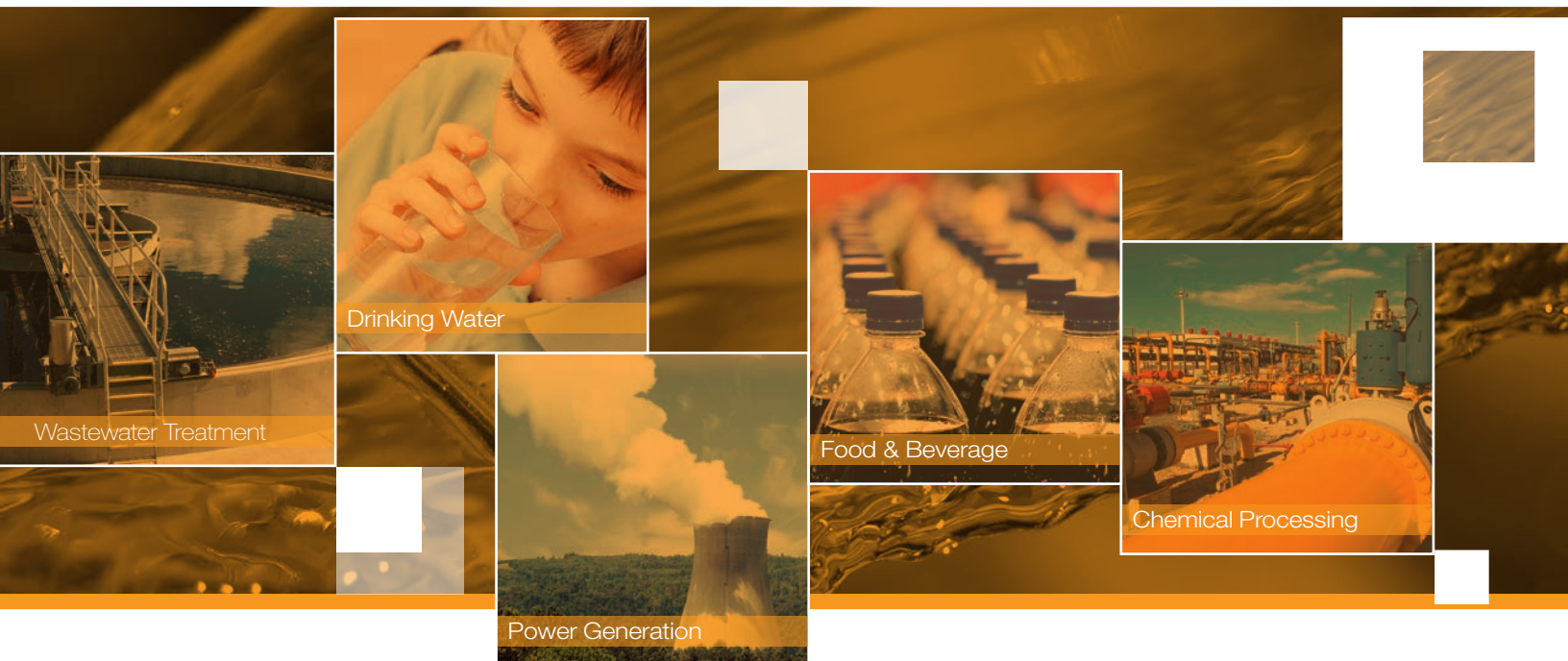
Thermo Scientific Orion Chlorine XP Online Water Quality Analyzer
Measures free, total and total combined chlorine with a colorimeter.

- Simple, quick installation and operation
- Auto calibration and auto self-cleaning
- Designed for low maintenance, more on-line operation
- Simple, quick reagent replacement



Orion 2109XP Fluoride Analyzer
Provides the highest quality fluoride measurements for drinking water required by the Safe Drinking Water Act to accurately control fluoride levels between 1.4 and 2.4 ppm.

- Implements recognized EPA method for fluoride analysis using an ion selective electrode (ISE)
- Eliminates problems with turbidity and suspended solids in samples
- Correlates to on-line IC for QA/QC validation



Leaders in Sensing Technology

From supplying safe drinking water or reliably controlling wastewater treatment processing, to delivering significant value to industrial water treatment providers – our water experts can help you meet your application challenges. Thermo Scientific process water analysis measurement products are designed

for flexibility, ease of use, and low cost of operation in water treatment, delivering accuracy you can trust with confidence year after year. Select from our digital plug-and-play systems, advanced optical DO sensors, and a broad portfolio of differential and analog measurement capabilities to build your water quality solution.

Distributed By:

Find out more at thermofisher.com/water

©2016 Thermo Fisher Scientific Inc. All rights reserved. All trademarks are the property of Thermo Fisher Scientific and its subsidiaries unless otherwise specified.

Water and Lab Products

North America

Toll Free: 1-800-225-1480
Tel: 1-978-232-6000
info.water@thermofisher.com

Germany

Tel: (49) 6184-90-6000
info.water.uk@thermofisher.com

China

Tel: (86) 21-68654588
wai.asia@thermofisher.com

India

Tel: (91) 22-4157-8800
wai.asia@thermofisher.com

Singapore

Tel: (65) 6778-6876
wai.asia@thermofisher.com

Japan

Tel: (81) 045-453-9175
wai.asia@thermofisher.com

Australia

Tel: (613) 9757-4300
In Australia: (1300) 735-295
InfoWaterAU@thermofisher.com

ThermoFisher
SCIENTIFIC