

thermo scientific



In every drop, there is a measurement

Our innovative platform for analyzers brings you
data easier than ever before

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An advanced and flexible water quality monitoring solution that leverages a single platform for optical or electrode-based measurements. Designed with reliability and performance in mind, the Thermo Scientific™ Orion™ 8000 Series Analyzer Platform delivers maximum uptime and optimized chemistry for reduced waste and lower cost of ownership.

Features and benefits

- A common user-friendly interface featuring an intuitive color touchscreen and advanced diagnostics with multiple language capabilities
- Advanced fluid delivery and measurement system with optimized reagent formulations
 - Delivers high performance, accuracy, detection limits, repeatability, and reliability
 - Plug and play component assemblies for ease of setup, and serviceability
 - Wide range of communication protocol options
 - Alarm and alert messages to protect process operations
 - Flexible measurement technologies
 - Multi-stream sequencer



Orion™ 8000 Series Analyzer Platform

An all-in-one solution that advances diagnostic performance like no other



Introduction

The Orion™ 8000 Series Analyzer Platform is an all-in-one solution for water analysis incorporating multiple measurement technologies and parameters that operate through a modern touchscreen interface using common electronics and parts.

- With a large 7-inch, high-resolution color touchscreen, the platform delivers a state-of-the-art, consistent user experience that translates to higher productivity and the ability to use multiple analyzers on the platform with minimal training.
- Common electronics and parts simplify stock management of equipment, consumables and accessories, and ensure supply on-demand.
- Built-in predictive diagnostics and preventive maintenance schedules help ensure long-term, continuous operation of the analyzer with maximum uptime.
- Minimizes the volume of waste solution generated: the platform drives cost savings due to low reagent consumption and chemical waste generation.
- Each analyzer is optimized for the measurement of a single parameter through an accurate fluid delivery and quantification system translating to superior performance.
- Robust and reliable, these analyzers deliver low maintenance and long reagent life, which improves productivity.
- Built at state-of-the-art manufacturing facilities with automated test stands enables high quality and performance.

Industries

These analyzers are designed for use in the following industries:

- Power
- Municipal drinking water
- Municipal wastewater
- Food and beverage
- Pulp and paper
- Refinery
- Semiconductor
- Pharmaceutical
- Mining and manufacturing
- Hospitals and commercial buildings

Applications

The Orion™ 8000 Series Analyzer Platform covers a wide range of concentrations across multiple applications, including:

- Drinking water
- Wastewater
- Ultrapure water
- Cooling water
- Boiler water

For easy integration into most data management systems, the technology powers the communication of data across multiple protocols, including:

- Analog output
- Bluetooth
- Cloud connectivity
- HART protocol
- Modbus TCP/IP
- PROFIBUS
- RS485
- Wireless



Lower your total cost of ownership and increase your productivity

Experience the difference in obtaining reliable results in an easy-to-use system

The flexibility of the 8000 series platform menu is provided through key features:

- A series of sub-menu options provide the ability to configure and set up preferences.
- In maintenance mode, a diagnostic function can identify any service that may be needed.
- Log options permit the user to view and identify erroneous data or changes to the analyzer during daily operation.
- Tiered security access levels allow lost passwords to be reset and key analyzer setup preferences to be protected.

These all deliver a unique feature-rich experience that provides the user with confidence and information at their fingertips.

Multi-stream sequencer

The platform offers the ability to analyze two, four, or six process streams. (Note: a sequencer can be used to analyze multiple streams and is sold as an add-on option.)

Pre-filter

A pre-filter reduces maintenance and increases reliability.



Figure 1. Intuitive touchscreen. With intuitive menu options that bring continuity across all process analyzers on the platform, the high-resolution interface displays standard icons and offers advanced diagnostics for ease of use and cross-training.



Figure 2. Maintenance mode. In maintenance mode, a diagnostic function can allow any service needs to be identified.

Find out more at thermofisher.com/orion8000