

Total Organic Carbon Sensor

Top Performance and Easy Installation

Total organic carbon control is essential in the production of high purity pharmaceutical waters. For a system fabricator involved in a major water project, a METTLER TOLEDO TOC sensor gave them the competitive edge they needed to win the deal.

A Water for Injection project

Scandinavia is home to one of the world's largest manufacturers of diabetes treatments. Water for Injection (WFI) is critical at the company's many production facilities, so ensuring WFI is always in specification is vitally important.



When the total organic carbon (TOC) sensors installed at the company's main production plant were becoming obsolete due to lack of spare parts, a water system fabricator worked with the client to propose three TOC sensors, including one from METTLER TOLEDO, to determine which one would best meet their requirements.

A unique, continuous solution

Most TOC analyzers only measure periodically, typically once every six minutes or more. The water system fabricator recognized that for pharmaceutical companies, who need to know the quality of their pure waters at all times, such batch measurements mean an increase in TOC followed by a return to previous levels can be completely missed. METTLER TOLEDO

Thornton's range of on-line TOC sensors measure continuously. Therefore, any change in TOC is identified immediately.

High measurement uptime

Water system fabricators know maximum sensor uptime is critical for their clients. In the case of the METTLER TOLEDO on-line TOC sensors, very little can go wrong with them. Unlike other TOC sensors, METTLER TOLEDO's TOC sensors have no pumps, membranes, heat exchangers, or other elements likely to require regular maintenance.

Further, predictive diagnostics continuously monitor how well the sensor is operating. This enables proactive

maintenance, allowing any servicing to be conducted before sensor performance is affected.

Easy setup

METTLER TOLEDO's TOC sensors have been designed with ease of installation in mind. Simply mount the TOC sensor in the water system, make the plumbing connections and wire power and transmitter communication connections. With METTLER TOLEDO's Plug and Measure feature, sensor setup is fast and problem free.

Flexible installation points

The partnering transmitter for METTLER TOLEDO's on-line TOC sensors is the M800, a multi-channel, multi-parameter instrument with an easy-to-use touchscreen interface. The M800 can be installed up to 300 ft (91 m) from the sensor, providing installation flexibility.

Best performance and easy installation

The testing performed by the pharmaceutical company showed that the METTLER TOLEDO sensor was the best performing and most reliable sensor of the three assessed and this, combined with our efficient service offering, convinced the company to select the METTLER TOLEDO solution.

Forty-two TOC sensors and transmitters were required for complete monitoring at the facility. The water system fabricator for the project was delighted to discover how convenient the units were to install and start up.

METTLER TOLEDO TOC sensors with the M800 transmitter has given the water system fabricator a solution they can trust for future projects, from a partner they can rely on.



6000TOCi Sensor

Real-time Compliance

Rapid, continuous measurement provides data to demonstrate that excursions are never missed.

Stable and Reliable Analysis

Proven UV technology and the highest accuracy conductivity sensors for repeatable and precise measurements.

Verifiable System Performance

Advanced system diagnostics ensure effective TOC measurement.

Clear TOC History to Support Audits

Comprehensive record keeping supports compliance documentation.

www.mt.com/6000TOCi

Improved repeatability

METTLER TOLEDO's latest TOC sensor is the 6000TOCi, our most advanced and robust TOC sensor. The 6000TOCi provides continuous, accurate TOC measurement for pharmaceutical and microelectronics applications.

www.mt.com/thornton

For more information

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Subject to technical changes
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