

6000TOCi with ISM



**THORNTON**  
Leading Pure Water Analytics

**6000TOCi Sensor**

True Continuous Measurement

Stable and Reliable Analysis

Water Efficient Sensor

Supports Regulatory Compliance



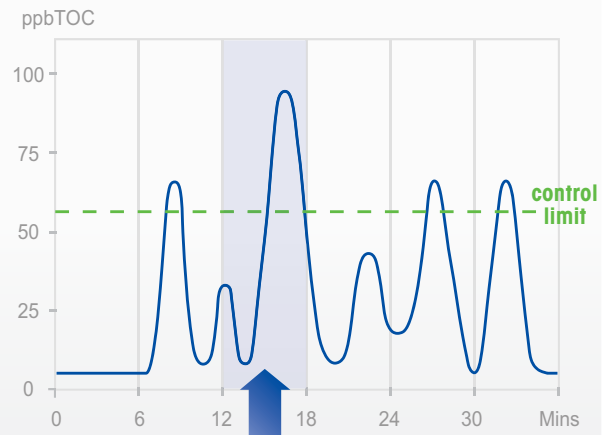
**On-line, Continuous TOC Measurement**  
For Pure Water Systems

# Continuous, Real-time Measurement For Full Visibility of TOC Excursions

**Continuous monitoring provides a real-time data advantage over batch or non-continuous methods of total organic carbon (TOC) measurement in pure and ultrapure water systems. Unlike at-line batch analyzers that measure at set intervals, the 6000TOCi Sensor offers true continuous measurement that refreshes every second so you never miss an increase in TOC levels.**



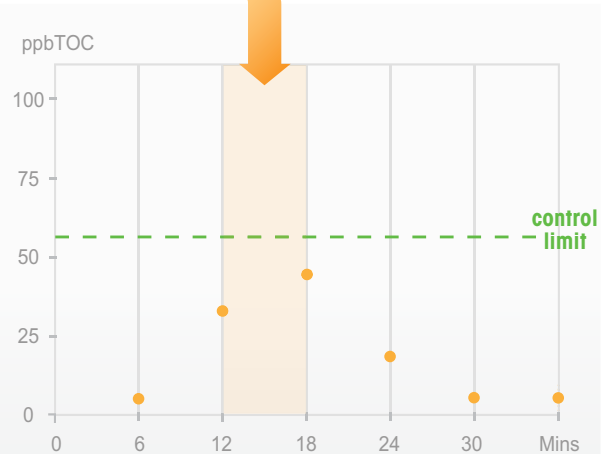
**6000TOCi Sensor** - Continuous, real-time measurement



## What can happen in 6 minutes?

Batch analyzers only provide snapshots of information. This means an increase in TOC levels above the control limit can be easily missed. The 6000TOCi provides real-time data so you know exactly when an excursion starts and ends. This helps demonstrate compliance and ensures audit readiness.

VS.



**At-line Batch Analyzer** - Batch measurement, 6+ minutes



**Complete TOC analysis supports quick decision making**



The 6000TOCi system provides clear analysis including TOC trends for Peak, Average and Rate-of-Change to analyze water quality, facilitate quick and effective decision making, optimize water use and minimize waste.

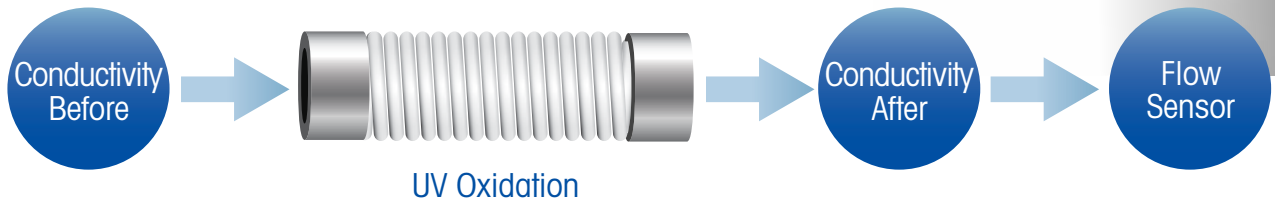
**Fastest TOC response available reduces risk of contamination**



With an initial response rate of less than a minute and measurement updates every second, the 6000TOCi is ideal in all pure and ultrapure water applications where rapid detection of TOC changes is critical.

# Stable and Reliable Analysis For Maximum Performance

The 6000TOCi Sensor employs proven UV oxidation technology to provide consistent and accurate total organic carbon analysis. With highly stable and reproducible TOC measurements, you can be confident that you have the control over your water system that is required to meet regulatory and internal water quality specifications.



### Simpler and more robust design maximizes uptime

Simple sensor-style design provides a rugged and reliable solution that requires less maintenance and is more resistant to failure than complicated at-line batch analyzers.



**Technology enhancements deliver reliable and repeatable measurements**



The 6000TOCi uses proven UV oxidation technology and the highest accuracy conductivity sensors to provide stable and precise organics determination for improved water system control.

**Optimized flow rate enables water efficient operation**



The 6000TOCi operates at a flow rate of only 8.5 mL/min, minimizing the amount of expensive, high quality water used for this key measurement. These water consumption costs are often overlooked and the 6000TOCi's optimized flow rate can deliver significant savings over the sensor lifetime.

# Data Assurance Delivers Confidence and Compliance

For more than 50 years, our measurement solutions have been recognized globally for their innovation, reliability and convenience. We lead and participate in water standards development within regulatory and industry committees, such as USP, EP, JP, ChP, IP, ISPE and PDA to ensure that regulations and standards are met and support process analytical technology initiatives. Our multi-parameter instruments and advanced sensors provide smart analytics for water systems worldwide.

## Meet regulatory and internal water quality requirements



For regulated industries, the 6000TOCi Sensor and M800 Transmitter provide a fully compliant solution. They satisfy the requirements of all major global pharmacopeias for TOC instrumentation, including USP, EP, JP, ChP and IP.

## Clear TOC history to support validation and audits



The 6000TOCi Sensor automatically records any excursions, calibrations and system suitability test results. USB ports provide printer output and data logging, which ensures you have a clearly recorded history from the TOC sensor, supporting audits and validation.



**Verifiable sensor performance with advanced diagnostics**



Intelligent Sensor Management (ISM<sup>®</sup>) advanced diagnostics help ensure your sensor performs optimally at all times. The Dynamic Lifetime Indicator (DLI) tool monitors remaining UV lamp life so you can plan maintenance before problems occur.

**Professional services for assured performance**



Ensure your instrumentation is always measuring effectively and efficiently.

- ✔ Basic Preventative Maintenance
- ✔ Full Preventative Maintenance with Calibration
- ✔ System Suitability Test (SST)

# 6000TOCi Sensor

## Ordering Information

<b>Sensor</b>	<b>Order no.</b>
6000TOCi Sensor, 110/240 VAC 50/60 Hz	30472150
6000TOCi Sensor, low ppb calibration, 110/240 VAC 50/60 Hz	30472151

<b>Transmitter</b>	<b>Order no.</b>
M800 Water 2-channel	58000802
M800 Water 4-channel	58000804
M800 DP 2-channel	58000806

<b>Accessories</b>	<b>Order no.</b>
Pump module, 6000TOCi	30472152
Filter assembly, high capacity	58091550
High pressure regulator	58091552

<b>Consumables &amp; Spare Parts</b>	<b>Order no.</b>
Replacement UV lamp	58079513
Calibration standards	30472083
System suitability test standards	30472084
Combined calibration and system suitability test standards	30472085
Calibration standards for extended range calibration	30472086
Combined calibration and system suitability test standards for extended range calibration	30472087
Fuse, 1.25A, sensor PCB	58091519
Filter element, high capacity	58091551