



# THM 1000 Selective VOC Analyzer

ENSURES SAFE DRINKING WATER WITHOUT SAMPLE PREP, OFF-SITE ANALYSIS



Waiting days or even weeks for THM results?  
**How does 30 minutes sound?**

**YSI's new THM 1000 Analyzer** is an easy to operate, integrated Purge & Trap Gas Chromatograph (GC) that measures the four critical trihalomethanes (THMs) at ppb levels in less than a half-hour, right at your own facility.

This integrated system is a powerful new tool that can help operators optimize water treatment at the plant and evaluate water age in the distribution system for improved monitoring of the formation of THMs, an EPA-regulated disinfection by-product.



a **xylem** brand

# Improved monitoring of THM formation of municipal water treatment plants and water distribution systems

## Fast and easy operation

Get results when and where you need them with the THM 1000. This device was designed for high-precision, high accuracy measurement of THMs and offers a full complement of calibration and quantification routines. With the push of a button, the analyzer performs sample purging, THM component separation, and data analysis.

## Streamline simplicity

A complete analytical package, the THM 1000 Analyzer features a touch screen for status indication and basic data results display. Analyzer calibration is streamlined with detailed menu options, while push-button operation simplifies building calibration curves and quantifying sample results.

## Lower cost, higher reliability

Designed with the input of water industry experts and end users, the THM 1000 Analyzer is a cost-effective approach to disinfection by-product (DBP) optimization, with lower operation and maintenance costs than other commercial Purge & Trap GC systems. The ability to obtain THM results quickly and reliably provides treatment operators with the information they need to ensure that their drinking water is being delivered safely to the consumer.

Features	Benefits
30-minute analysis	Eliminates expensive and time-consuming off-site analysis for process control
Integrated Purge & Trap	No sample preparation required
Rapid operator feedback	Allows for immediate process adjustment capability
Customized PC software	Minimal operator interaction required to collect THM data
Push-button simplicity	Fast and easy operation; all-in-one sample purging, component separation, and data analysis
Dedicated instrument	Helps ensure the safety of public drinking water

Technical Specifications	
<b>Dimensions</b>	9.4" W x 15.3" H x 15.8" D
<b>Weight</b>	17 lbs
<b>Power supply</b>	Universal AC input, 24 VDC internal
<b>Carrier gas</b>	UHP grade helium
<b>Carrier gas supply pressure</b>	50 - 55 psig
<b>Total gas volume consumed per measurement cycle</b>	0.04 ft <sup>3</sup> **
<b>Water sample volume</b>	40 mL
<b>Average measurement time</b>	Less than 30 minutes
<b>Recommended ambient environment</b>	25 +/- 5 °C
<b>Factory calibration range</b>	5 to 80 ppb for each THM compound

\*\* Up to 4,000 cycles from a single 300 cubic foot high pressure cylinder (DOT 3AA2400) based on an 11 minute purge cycle.

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