



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 30 minutes, 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 safety in the distribution system for improved monitoring of the formation of THMs, an EPA-regulated disinfection by-product.



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

Fast

Get results when and where you need them with the THM 1000 Analyzer. This device was designed to deliver highly precise and accurate results in only than 30 minutes.

Easy

The THM 1000 Analyzer is a user-friendly lab instrument. Simply walk up to the THM 1000, load a sample, and start the analysis. Once complete, the intuitive software will display both the total THM and individual THM values.

Affordable

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

Dimensions	9.4" W x 15.3" H x 15.8" D
Weight	17 lbs
Power supply	Universal AC input, 24 VDC internal
Carrier gas	UHP grade Helium or Nitrogen
Carrier gas supply pressure	50 - 55 psig
Total gas volume consumed per measurement cycle	0.04 ft ³ **
Water sample volume	40 mL
Average measurement time	Less than 30 minutes
Recommended ambient environment	25 +/- 5 °C
Factory calibration range	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.