

# The Parker THM Analyzer

Rapid measurement of Trihalomethanes (THMs) ensures safe drinking water without sample prep, off-site analysis



## Waiting days or even weeks for THM results? Not anymore.

Parker's new THM Analyzer is an easy to operate, integrated Purge-and-Trap Gas Chromatograph (GC) that measures THM concentration at ppb levels in less than 30 minutes right at your own facility without tedious sample preparation.

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 control over the formation of THMs, an EPA-regulated disinfection by-product.



The PHontus Series

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### Product Features:

- 30-minute analysis
- Integrated Purge-and-Trap
- Rapid operator feedback
- Customized PC software
- Push-button simplicity
- Dedicated instrument

### Product Benefits:

- Eliminates expensive and time-consuming off-site analysis for process control
- No sample preparation required
- Allows for immediate process adjustment capability
- Minimal operator interaction required to collect THM data
- Fast and easy operation; all-in-one sample purging, component separation, and data analysis
- Helps ensure the safety of public drinking water



ENGINEERING YOUR SUCCESS.

# Improved control over THM formation for municipal water treatment plants and water distribution systems



## Fast and easy operation

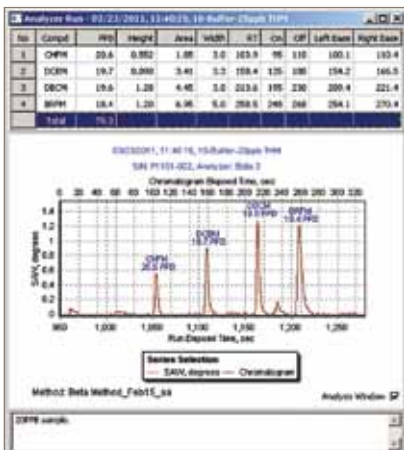
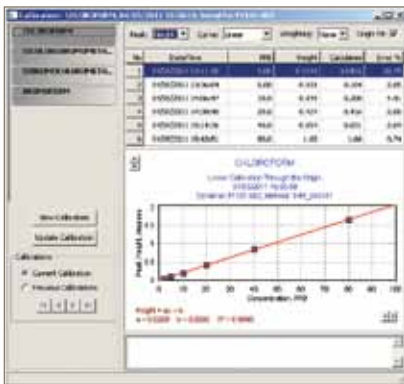
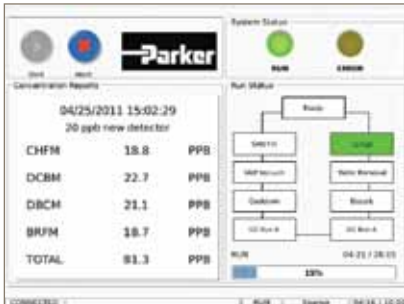
The Parker THM Analyzer was designed for high-precision, high accuracy measurement of THM and offers a full complement of calibration and quantification routines. With the push of a button, the analyzer performs sample purging, THM component separation, and data analysis.

## Streamlined simplicity

A complete analytical package, the Parker THM 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 Parker THM Analyzer is a cost-effective approach to disinfection by-product (DBP) optimization, with lower operation and maintenance costs than other commercial Purge-and-Trap Gas Chromatograph systems. The ability to obtain THM results quickly and reliably without sample preparation provides treatment operators with the information they need to control the formation of THMs.



## Specifications

Dimensions	9.4"W x 15.3"H x 15.8"D
Weight	17 lbs
Power supply	Universal AC input, 24VDC internal
Carrier gas	UHP grade helium
Carrier gas supply pressure	50 – 55 psig
Total gas volume consumed per measurement cycle	0.04 ft <sup>3</sup> **
Water sample volume	40 ml
Average measurement time	Less than 30 minutes
Recommended ambient environment	25 +/- 5°C
Factory calibration range	2 to 80 ppb for each THM compound

\*\* Up to 4,000 cycles from a single 300 cubic foot high pressure cylinder (DOT 3AA2400)