Haier Biomedical
Intelligent Protection of Life Science

Total Organic Carbon Analyzer

HTOC-3000

- NDIR detector, high sensitivity and stability.
- Automatic leakage detection system not only avoids the misoperation, but also improves device performance and safety.
- Optional autosampler.
- Multi-functional PC software.

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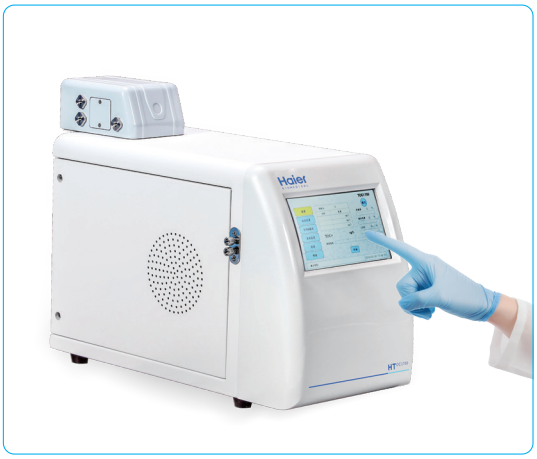
Total Organic Carbon Analyzer

Exterior View



HTOC-1500
HTOC-1700 (Online Model)

Product Advantages

- Ideal choice to measure microelectronics water, purified water, ultra pure water and water for injection, etc.
- Smart 7 inches touch screen with user-friendly UI, easy to operate and read data.
- UV Oxidation by UV Lamp, no need to add acid, gas or catalyst, greatly reduced experiment cost.
- Equipped with sensitive conductivity detector to quantify TOC concentration accurately.
- Online mode to realize real-time monitoring (HTOC-1700).
- One button sampling, less sample contamination, no harm on operator and environment.
- Optional PC software, comply with FDA 21 CFR Part 11 requirements and USP, EP, ChP and JP.
- Optional 20-position autosampler.

Total Organic Carbon Analyzer

8 GB large storage capacity, no restriction of data and time.

All historical records can be traced by searching test date.

Data can be retrieved and saved to USB disk directly.

Equipped with bluetooth printer for quick data printing.

Modular design for quick installation and easy maintenance.

Standard Accessories

Model	HTOC-1500	HTOC-1700
Measurement Range	1-1500ppb	
Detection Limit	1ppb	
Max Tolerance	±5%	
Analysis Time	3 min	
Response Time	within 10 min	
Sample Flow Speed	2mL/min	
Repeatability Tolerance	≤ 3%	
Power Requirement	AC110/220V, 50/60Hz, 100W	

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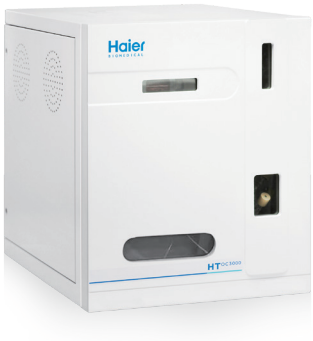


HTOC-3000

Product Advantages

NDIR

NDIR detector, high sensitivity and stability.

Automatic leakage detection system not only avoids the misoperation, but also improves device performance and safety.

Optional autosampler.

Multi-functional PC software.

Precise gas flow control technology improves accuracy.

Modular design, simplifying device operation and maintenance.

Technical Specification

Model	HTOC-3000
Measurement Method	Wet Chemical Oxidation by UV
Detector	NDIR
Analysis Parameter	TC, TIC, TOC, NPOC
Control Mode	PC Control
Gas Requirement	Nitrogen, purity ≥99.995%
Sample Type	Liquid Sample
Measurement Range	0-10000mg/L (ppm)
Detection Limit	5μg/L (ppb)
Repeatability	3%
Maximum Salinity	85g/L
Power Requirement	AC110/220V, 50/60Hz, 200W

Total Organic Carbon Analyzer

Exterior View

HTOC-5000

Product Advantages

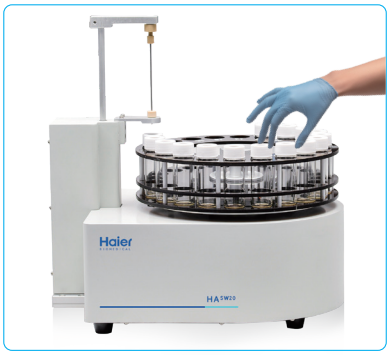
- Auto sample dilution, auto acid-adding and auto gas purging.
- 680°C catalytic oxidation technology with platinum catalyst, especially for seawater test.
- NDIR detector, high sensitivity and stability.
- Optional autosampler.
- Multi-functional PC software.
- Precise gas flow control technology improves accuracy.
- PID temperature controlling technology, ensure higher accuracy.
- Unique three-stage dehydration technology improves drying efficiency.
- Data can be retrieved and saved to USB disk directly.
- Equipped with bluetooth printer for quick data printing.
- Modular design for quick installation and easy maintenance.

Total Organic Carbon Analyzer

Technical Specification

Model	HTOC-5000
Measurement Method	High Temperature Catalytic Combustion
Detector	NDIR
Analysis Parameter	TC, TIC, TOC , NPOC
Control Mode	PC software controlled
Gas Requirement	Oxygen, purity ≥99.995%
Sample Type	Liquid sample (AS-W20 is optional.) Solid sample (AS-S200 is needed.)
Measurement Range	0-1000mg/L, can extend to 0-100,000mg/L (Automatically dilution)
Limit of Detection	TC: 50μg/L IC: 20μg/L
Measuring Time	TC: around 4min IC: around 3min
Max. Permissible Error	TOC: ± 5% IC: ± 4%
Repeatability	≤3%
Injection Volume	TC: 100-500μL IC: 100-2000μL
Power Requirement	AC110/220V, 50/60Hz, 700W

Exterior View



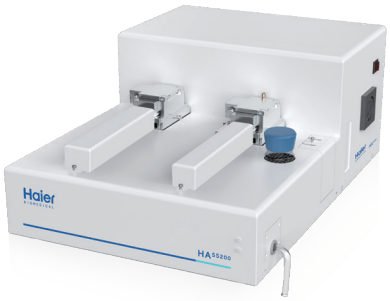
HAS-W20

Technical Specification

Model	HAS-W20
Sample Type	Liquid sample
Max. Number of Samples	19 sample positions an 1 cleaning position
Volume of Sample Bottle	60mL
Ambient Temperature	0-40°C
Relative Humidity	≤85%
Power	AC100-240V, 50/60 Hz, 120W

Total Organic Carbon Analyzer

Exterior View



HAS-S200

Technical Specification

Model	HAS-S200
Sample Type	Solid or suspension liquid sample
Control Mode	PC software controlled
Analysis Parameter	TC, TIC, TOC (TC-IC)
TC Measurement Method	High temperature catalytic combustion (900°C, Max.1000°C)
TIC Measurement Method	Acidification at 200°C
Sample Carrier	Quartz boat
Gas Requirement	Oxygen, purity≥99.995% (TOC analyzer provides) Flow rate: 500mL/min
Measurement Range	0.1-30.0mg
Max. Sample Volume	Solid: 1.0g TC liquid: 0.5mL IC liquid: 0.3mL
Measurement Time	5-8min
Power	AC100-240V, 50/60 Hz, 1000W