

# Infitek

## TOC ANALYZER

TOTAL ORGANIC CARBON ANALYZER /



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# TOC / Total Organic Carbon Analyzer

TOC-M1700 TOC-M1500



### TOC-M1700:

Is able to work under on-line mode to realize real-time monitoring. Online and offline mode can be easily switched.



TOC-M1700

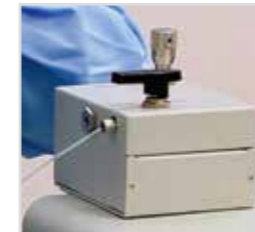


TOC-M1500

## Specifications

Model	TOC-M1700	TOC-M1500
Detection Range	0.001-1.5mg/l	
Detection Limit	1ppb	
Max Tolerance	±5%	
Analysis Time	3 min	
Response Time	Within 10 min	
Sample Temperature	1-95°C	
Environment Temperature	10-40°C with temperature change ±5 °C/d	
Sample Flow Speed	1 ml/min	
Relative Humidity	0.985	
Repeatability Tolerance	≤3%	
Drifting	±5%	
Power Supply	AC 220V, 50/60HZ or AC 110V, 50/50Hz	
Frequency	50/60HZ	
Dimension	440*220*300mm	
Rated Power	100W	
Package Dimension (W*D*H)	620*480*430mm	
G.W.	17.3kg	

## Advantages



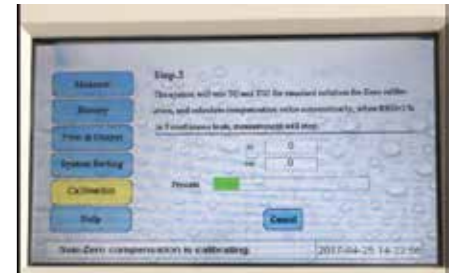
Equipped with conductivity detector to quantify TOC concentration

Ideal choice to measure and monitor micro-electronics water, purified water, water for injection, etc.



Automatic sample introduction with one-button setting, no sample contamination, no harm on operator and environment.

Auto sampler is optional according to different experiment requirements.



UV oxidation by UV lamp, no need to add acid, gas or catalytic, greatly reduces the experiment and maintenance cost.

Modular design for quick installation and easy maintenance.



- ◆ 7 inches touch screen with smart UI, easy to operate and read test data.
- ◆ 8GB large storage capacity, no restriction of data and time.
- ◆ Quick test, each analysis takes less than 3 minutes.
- ◆ All historical records can be traced by searching test date.
- ◆ Data can be retrieved and saved to USB directly.
- ◆ Equipped with Bluetooth printer for quick and easy data printing.



# TOC / Total Organic Carbon Analyzer

TOC-M2000 TOC-M5000



TOC-M2000



TOC-M5000



## Features

- Auto sample dilution, auto acid-adding and auto gas purging (TOC-M5000).
- 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.
- Personalized standard curve management provides great convenience for users.
- Consumables management reminds users to replace consumables in time.
- Modular design, simplifying device operation and maintenance.

## Specifications

Model	TOC-M2000	TOC-M5000
Detector	NDIR	
Parameters	TC, TIC, TOC, NPOC	
Digestion Mode	High Temperature Combustion	
Operation Mode	PC software Control	
Application	Liquid Sample (AS-L20 is optional.)	Solid sample ( AS-S200 is needed.)
Gas Requirement	Oxygen ≥ 99.995%	
Measurement Range	0-1000mg/L, can extend to 0-100,000mg/L (manually dilution)	0-1000mg/L, can extend to 0-100,000mg/L (Automatically dilution)
Detection Limit	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	AC110/220V, 50/60Hz, 700W	

# TOC / Total Organic Carbon Analyzer

TOC-M3000



## Specifications

Model	TOC-M3000
Detector	NDIR
Parameters	TC, TIC, TOC, NPOC
Method	Wet Chemical Oxidation by UV
Operation Mode	PC Control
Application	Liquid Sample
Gas Requirement	Nitrogen ≥99.995%
Measurement Range	0-10000mg/l(ppm)
Detection Limit	5µg/l (ppb)
Repeatability	0.03
Maximum Salinity	85g/l
Power	AC220V, 50Hz or AC110V, 60HZ, 200W
Size	430*455*440mm

## Advantages

- ◆ Different temperature setting for various samples ensures complete sample digestion so as to get more accurate measuring data.
- ◆ Adjust cooling module power according to sampling volume which improves drying performance to ensure dry gas into the detector.
- ◆ Automatic leaking check system to avoid operation mistakes, also improves instrument performance and ensures operation safety.
- ◆ Flow rate-controlling system to avoid any effect caused by flow rate fluctuation which ensures accurate data.
- ◆ Low current system design also ensures operation safety.
- ◆ TOC detector with 24 bits data solution extends monitoring range. Controlling a system with 32bin processing technology greatly improves performance.
- ◆ Signal management system with our own patent law which has great advantages of online setting, real-time monitoring, self-testing, and flow speed control to ensure high performance and safe operation.

