

# TOTAL ORGANIC CARBON ANALYZER

## TOC ANALYZER 2000 SERIES



EPC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

**Analytical Technologies Limited**

An ISO 9001 Certified Company

[www.analyticalgroup.net](http://www.analyticalgroup.net)

## ➡ FEATURES

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





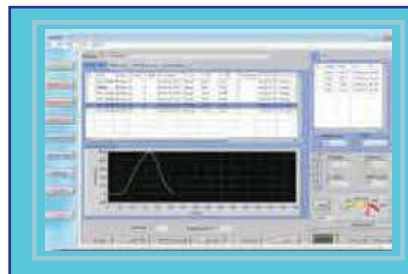
## ➡ GENERAL

- TOC (Total Organic Carbon), which directly shows the total organic content is regarded as a key factor to evaluate the pollution potential of organic compound in water.
- After 3 years research and development, successfully launch our new product: patent laws, our TOC can meet requirements for application in water analysis, environment monitoring, pharmaceutical production, quality control, processing control, etc.
- So far launch 2 models TOC-2000 (Catalytic combustion oxidation) (Wet chemical oxidation by UV ) which are widely used for quality control of drinking water, industrial water, sewage and waste water, meanwhile, it has wide application in monitoring of River, Lake, Sea and surface water.



- Model: TOC - 2000
- Detector: NDIR
- Parameter: TC,TIC,TOC.
- Digestion Mode: High Temperature combustion
- Operation Mode: PC control
- Application: Liquid sample, Gas sample, Solid Sample
- Gas Requirement: Oxygen /Nitrogen ≥99.995%
- Measurement Range: 50 µg/l -30,000mg/l
- Detection Limit: 50 µg/l
- Repeatability: 3%
- Accuracy: 2%
- Maximum salinity: 85g/l
- Power: AC 220V,50Hz OR AC 110V,60Hz
- Size: 430×455×440mm

## ➡ CONVENIENT SOFTWARE OPERATION INTERFACE



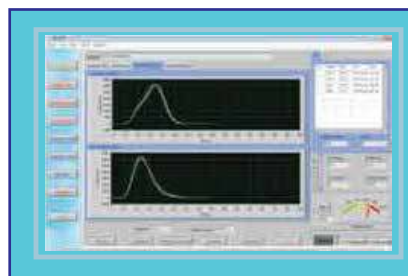
### Sample measurement processing monitoring

- Set different name, concentration and sample volume
- Real-time sample reaction
- On-line AVG and RSD calculation of testing results



### Display and monitoring of sampling

- Sampling volume real-time monitoring
- Automatic sample draining monitoring
- Real-time display and monitoring for heating, cooling and furnace temperature
- Auto Switch of sampling and Draining
- Acidification operation by peristaltic pumps



### Scanning Curves

- Samples Curves shows in the same coordinate system for easy reading of repeatability



### Parameter Setting Interface

- Settings for heating and cooling temperature; acidification sampling and draining time; Basic setting for Pump, valve and temperature control
- Press "TC Clean, the system will automatically start drain-add Sodium persulfate-Draining - Sampling-Draining



## ➡ REGULATORY COMPLIANCES



## ➡ CORPORATE SOCIAL RESPONSIBILITY

Analytical Foundation is a Nonprofit Organization (NGO) found for the purpose of:



# Analytical Foundation

1. Research & Innovation Scientist's awards / QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at [info@analyticalfoundation.org](mailto:info@analyticalfoundation.org)

2. Improving quality of life by offering YOGA Training courses, Work shops / Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds, souls and body by means of Yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

## ➡ REACH US @



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