

# TOC-5000

TOTAL ORGANIC CARBON ANALYZER

★ Stable · Safety · Flexible

THE PROFESSIONAL MANUFACTURER OF  
SCIENTIFIC INSTRUMENTS

TDC analyzer  
UV-Vis Spectrophotometer  
Microwave Digestion System  
Atomic Absorption Spectrophotometer (AAS)



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## Features

- High-performance processor, ensuring stable and reliable system running.
- Modular design, simplifying device operation and maintenance.
- Imported NDIR detector, guaranteeing higher sensitivity and stability.
- PID temperature controlling technology, reaching higher accuracy.
- Precise gas flow control technology improves accuracy.
- Unique three-stage dehydration technology improves drying efficiency.
- Automatic sample dilution, acid-adding and purging.
- Unique liquid path and flow control system extend the service life of catalyst.
- Real-time monitoring of diluted water and waste water.
- Multi-functional PC software, complying with the requirements of GMP and FDA 21 CFR PART 11.
- Personalized standard curve management provides great convenience for users.
- Consumables management reminds users to replace consumables in time.
- 680°C catalytic oxidation technology with Platinum catalyst, especially for seawater test.
- Optional 20-position autosampler saves 80% time and energy.



## Accessories introduction



### Multi-channel Rotary Valve System

- Quantitative pump ensures precision injection volume.
- Single-point dilution, quick and convenient.
- Wide sample measurement range, max. automatic dilution ratio 100.



### High Temperature Pyrolysis Module

- Pyrolysis temperature can be set as required.
- Precision temperature control system, the highest temperature 1000°C.



### IC Reaction Module

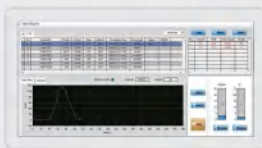
- Complete IC digestion by acid-adding and heating.
- Electronic cooling system, filter and membrane dryer effectively remove water vapor.



### NDIR Detector

- Imported light source, detector and special gas chamber.
- Stable results, lower noise, wider detection range and faster speed.
- A constant temperature environment ensures high stability and accuracy.

## Software introduction



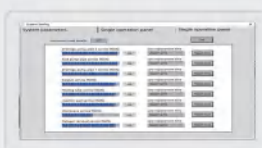
### Standard Curve

- All detailed sample and measurement info would be displayed clearly.
- Automatically append measurements to meet RSD or SD limits.
- Real-time display of peak shape, easy to make comparisons.



### Sample Measurement

- Quick setting of measurement mode and ID info.
- Real-time monitoring of temperature and air flow, an alarm is initiated when exception occurs.
- Real-time display of measurement data and peak shape.



### Consumables Management

- Available to set and check the service life and service condition of consumables.
- Timely reminding users to replace consumables.



### Measurement Record

- Easy to retrieve sample info, measurement data and peak shape.
- Measurement report can be exported in Excel or PDF format.
- Test report under Single-sample or Multi-sample mode can be selected flexibly to meet different requirements.

## Technical Specifications

Model	TOC-5000
Method	High Temperature Combustion
Detector	NDIR
Parameters	TC, TIC, TOC, NPOC
Operation Mode	PC software controlled
Application	Liquid sample
Gas Requirement	Oxygen ≥ 99.995%
Measurement Range	0-30000mg/L
Power Supply	AC 220 V/ AC 110 V, 50/60HZ, 1KW
Dimension	450×500×480mm

