

# STALWART

## Total Organic Carbon Analyzer STOC-3200



## **Introduction**

TOC (Total Organic Carbon), which directly shows the total organic content, is regarded as a key factor to evaluate pollution potentials of organic compound in water. Our TOC can meet requirements for application in water analysis, environment monitoring, pharmaceutical production, quality control, processing control etc.

## **Features**

- Signal management system with our own patent law which has great advantages Of online setting, real-time monitoring, self testing and 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.
- 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 Ensure accurate data.
- TOC detector with 24 bits data solution extends monitoring range. Controlling system With 32bin processing technology greatly improves performance.

### **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**

Setting 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 per sulfate-Draining-Sampling-Draining

### **HALOGEN SCRUBBER DESIGN**

Remove Halogen and Moisture  
Avoid any effect on the results caused by impurities

### **FOUR IN ONE TIC REACTOR DESIGN**

Helpful to remove inorganic carbon by acidification and heating digestion  
Cooling function to remove moisture in carbon dioxide  
Gas buffer design to avoid parts broken caused by high pressure  
High moisture removal function

## Features

### HIGH TEMPERATURE PYROLYSIS SYSTEM

Complete pyrolysis for samples with high temperature  
Set different pyrolysis temperature for various samples

### NDIR HIGH EFFICIENCY DETECTOR

Detector with special surface treatment technology to ensure ideal performance  
24 bit A/D Converter to ensure stable data, low noise, and wide measurement  
Range and high speed  
32bin signal processing technology to ensure the instrument's content  
Temperature functions with 0.01°C temperature tolerance.

## Specification

Item	STOC-3200
Detector	NDIR
Parameters	TC,TIC,TOC,NPOC
Digestion Mode	Wet chemical oxidation by UV
Operation Mode	PC Control
Application	Liquid Sample, Gas Sample
Gas Requirement	Nitrogen>99.995%
Measurement Range	0-10000mg/l
Detection Limit	5ug/l
Repeatability	3%
Maximum Salinity	85g/l
Power	AC220V,50Hz or AC110V,60Hz
Size	430*455*440mm