

TOTAL ORGANIC CARBON

TOC 3500S



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

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

TOC 3500S total organic carbon analyzer use Static UV oxidation - Conductivity Detection method to detect the concentration of total organic carbon in de-ionized water, range from 0.1ppb-1000ppb, Has a high sensitivity and accuracy, as well as good stability.

►► Application:

can be used for online monitoring the pharmaceutical industry Water system, Ultra-pure water preparation system in the semiconductor industry having resistivity $\geq 18 \text{ Mo}\cdot\text{hm}$, and the deionized water preparation process in power plants.

►► Fundamentals:

Using UV light oxidation of carbon in water samples, After changes in the conductivity before and after oxidation of the sample to obtain the corresponding TOC values. During the test, water samples were isolated alone in a closed space, thus preventing contact with the surrounding environment pollution caused, The TOC value is through changes in the conductivity of the water samples before and after oxidation by UV light, To obtain the corresponding operations. The conductivity of the water sample is directly related to the content of organic carbon in water samples, and organic carbon content and can be completely oxidized to CO_2 and measured.

►► Technical Parameters

Fundamentals: Static UV oxidation - Conductivity	Sample flow rate: $>20 \text{ ml/min}$
Detect range: 0.1-1000.0 $\mu\text{g/L}$ 0.1ppb-1000ppb	carrier gas: No need
TOC precision: 1 ppb	Communication: 4-20mA (External) and RS 232 port
Accuracy error: $\pm 5\%$	Display and operator: 3.5 inches screen
Repeatability error: $< \pm 3\%$	Data storage: 5-year data (date measured 500 times)
Span drift: $< \pm 2\%/D$	printer: Embedded dot matrix printer
Zero drift: $< \pm 2\%/D$	Options: Calibration Pump
Conductivity detection range: 0.055-6.000 $\mu\text{S/cm}$	Power: 220V AC $\leq \pm 10\%$ 50Hz
Sowing Data: TOC, Conductivity, temperature	Output: 60W
Response time: Less than 15 mins	Ambient temperature: 0-40 degree Celsius
Injection method: Water network pressure	Dimensions (W*D*H mm) : 305*126*168
reagent: No need	weight: 6Kg
Display resolution: 1 ppb	Suitability test: USP 643

►► Product Features:

- high accuracy
- lower test limit
- Inbuilt solenoid valve
- Sense temperature and conductivity
- while detect organic carbon concentration.
- Interface can be connected
- Inch touch screen
- Data convenient query
- Automatic low/high pressure cut off
- Five years of data storage
- UV lamp life Countdown
- Inbuilt Conductivity meter
- Embedded dot matrix printer
- Low maintenance costs
- No reagents and carrier gas
- compact size, light weight
- Cables, Connectors and tubing
- Wall hanging design, easy online installation



►► 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

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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