



Total Organic Carbon Analyzer (TOC) TOC2NDIR



E - Catalogue

TOC2NDIR is the device used for measuring the carbon content in water samples that based on the principle of UV Oxidation Non-dispersive Infrared Absorption Method.

TOC2NDIR, Total organic carbon analyzer is mainly used in quality control of pharmaceutical water, cleaning validation, quality control of injection water, purified water, drinking water and source water, etc., It is also widely used in the fields of medicine, biotechnology, laboratory and hydropower station.

SALIENT FEATURES

- ◆ NDIR detector, high sensitivity and stability.
- ◆ Measuring Parameter
 - Total Carbon (TC)
 - Total Organic Carbon (TOC)
 - Total In Organic Carbon (TIC)
 - Non Purgeable Organic Carbon (NPOC)
- ◆ Automatic leakage detection system
- ◆ Multi-functional PC software.
- ◆ Precise gas flow control technology improves accuracy.
Modular design, simplifying device operation and maintenance.

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The software for the TOC2NDIR includes several key features to facilitate its operation and data management:

- ◆ **User Management**
Registration and management of users.
Setting permissions and modifying user information.
- ◆ **Sample Management**
Registration and management of samples.
Searching for registered samples.
- ◆ **Standard Curve Management**
Creation, management, and export of standard curves used for calibration.
Viewing detailed test data and saving standard curves.
- ◆ **Sample Test Interface**
Conducting sample tests with real-time display of test data and peak shapes.
Selecting test modes and methods (TOC, NPOC, TC, TIC).
- ◆ **Measurement Record Interface**
Viewing, searching, and exporting measurement records.
Displaying test data information and test waveforms.
- ◆ **Log Interface**
Recording and displaying software operation logs.
Exporting log information in Excel or PDF format.
- ◆ **Electronic Signature and Data Export**
Supporting electronic signatures for standard curves and sample data.
Exporting data in PDF or Excel formats.
- ◆ **Maintenance and Debugging**
Real-time observation of detector data and peak-shaped charts.
Consumables management and setting usage time for main consumables.
Maintenance debugging interface for hardware troubleshooting.
- ◆ User must have the Computer to connect the software,

Total Organic Carbon Analyzer

HSN Code : 90275090

SPECIFICATIONS

MODEL	TOC2NDIR
Make	LABMAN
Detection Method	Wet Chemical Oxidation by UV
Detector	NDIR (Non-Dispersive Infrared)
Measurement Range	0-10000mg/L (ppm)
Detection limit	5µg/L (ppb)
Maximum Salinity	85g/L
Repeatability tolerance	3%
Particle size	≤0.2mm
Analysis Parameter	TC, TIC, TOC, NPOC
Sample Type	Liquid Sample
Gas Requirement	Nitrogen, purity ≥99.995%
Control	Computer Control
Auto Sampler	Optional
Interface	USB
Relative Humidity	≤ 85%
Power Supply	AC 220V,50/60H
Packing Dimension (LxWxH)	660 x 610 x 685mm
Gross Weight	43kg

★ Specifications are subject to change without notice.

Standard Accessories

Main Instrument

Halogen removal

Quartz wool - 2pcs.

Sample Bottle - 1pc

Filtration membrane

Sample bottle, Waste bottle-1pc.

Acid bottle - 2pcs.

Connecting Tube

Nitrogen decompression device -1pc.

Power cord

USB communication Cable

Software Pendrive

Instruction Manual

Test Certificate