



**Total Organic Carbon Analyzer
TOC2NDIR**





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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TOC2NDIR

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

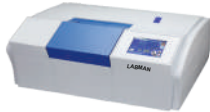
LABMAN Product Range 2025-26

LMFD61, 62, 63, 64 Lyophilizer Freeze Dryer (-60°C)	LMFD83, 84 Lyophilizer Freeze Dryer (-80°C)	LMRE25 Rotary Evaporator	ADM3 Automatic Density Meter	MSOD6 Microvolume Spectrophotometer
NAE32 Nucleic Acid Extractor	EMR4 Elisa Microplate Reader	GPTC96 Gradient PCR Thermal Cycler	HO30 Hybridization Oven	UVCL254 UV - Crosslinker
TGH12, 24 Tissue Grinder Homogenizer	PBH80T Paddle Blender Homogenizer	TOC2NDIR Total Organic Carbon Analyzer	TOC1CD Total Organic Carbon Analyzer	LMDS600, 1200 Microwave Digestion System
HPLC1IS, HPLC2GS High Performance Liquid Chromatography	APT1800 Automatic Potential Titrator	KFT250VC Karl Fischer Titrator	COD1500 COD Analyzer with Digestor	BOD4000 BOD Analyzer
MTVM50 Multi Tube Vortex Mixer	LMVM60D Vortex Mixer	OS20 Orbital Shaker	TRM6 Tube Roller Mixer	DBNE12, 24 Dry Bath Nitrogen Evaporator

LABMAN Product Range 2025-26

DBI11T  Dry Bath Incubator	DBI15SH, DBI16SC  Dry Bath Incubator	IRS14, 35  Infrared Sterilizer	GGA200  Air Generator	GGA301, 302  Hydrogen Generator
GGN303  Nitrogen Generator	GHA304  Hydrogen Air Generator(2 in 1)	LMVP10  Vacuum Pump	LMVP20  Vacuum Pump	LMCO1  Column Oven
LMIO6  Mini Thermostatic Incubator	GHP400  Graphite Hotplate	LOBMS5  Oil Bath Magnetic Stirrer	LMMS4LC, 20LC  Ceramic Hotplate Magnetic Stirrer	LMMS300  Hotplate Magnetic Stirrer
MMS15S  Multiposition Magnetic Stirrer	MMS12H  Multiposition Magnetic Stirrer	WBMS3  Water Bath Magnetic Stirrer	LMWB2H, 4H, 6H, 8H  Digital Water Bath	HOS20L  Overhead Stirrer
LMHH160  Hand Held Homogenizer	PS1565  Peltier / Sipper System	LUV6HG  PMT Spectrophotometer	LUV2000T, 2100T  Single / Double Beam UV-Vis. Spectrophotometer with 21CFR	LMSPUV SERIES  Double Beam UV-Vis. Spectrophotometer

LABMAN Product Range 2025-26

LMSPUV1200  UV-Vis. Single Beam Spectrophotometer	LMSPV320, 325  Visible Spectrophotometer	ADP100CFR, 95CFR  Automatic Digital Polarimeter with CFR	ADP45, 50  Automatic Digital Polarimeter (±45°)	ADP75, 90  Automatic Digital Polarimeter (±90°)
ADP40  Automatic Digital Polarimeter	LMPM180  Manual Polarimeter	MAR100  Manual ABBE Refractometer	RFM100CFR  Digital Refractometer CFR	RFM950, 970  Digital Refractometer
LMAR1317T  ABBE Refractometer	LMDV300H  Digital Viscometer with Thermosel	LMDV60, 100, 200  Digital Viscometer (L Series)	LMDV400R  Digital Viscometer (R Series)	LMKV2  Krebs Viscometer
LMDV111, 222  Digital Viscometer with SSA	LVA30  Low Viscosity Adaptor	LMCR80F  Visual Colorimeter	LMUC2D  Ultrasonic Cleaner	LMUC3D, 6D, 9D, 12D, 25D  Ultrasonic Cleaner - Degas
LMUC50, 100  Industrial Ultrasonic Cleaner	LMPH15  pH Meter with Printer	LMPH12, LMPH10H  pH Meter	LMPH9  pH Meter - Basic	LMCM20H  Conductivity / TDS Meter

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LMCM20H  Conductivity / TDS Meter	LMMP30, 32  Multiparameter (7 in 1 / 9 in 1)	LMION40  Ion Meter	LMDO50  Dissolved Oxygen Meter	LMHD60  Water Hardness Meter
OPH11  Online pH Controller	OCM21  Online Conductivity Controller	LMTB200  Turbidity Meter	RCB1010T, 1020T, 1030T  Refrigerated Circulating Bath	RCB620T  Refrigerated Circulating Bath
RWC320  Recirculating Water Chiller	LMDO4P  Portable DO Meter	LMPH1P  Portable pH / ORP Meter	LMCM2P  Portable Conductivity / TDS Meter	LMTB5P  Portable Turbidity Meter
PRO656, 900, 1200, 1800  Probe Sonicator	PRO660R  Probe Sonicator with Remote	PRO650  Probe Sonicator	LMIF30T, 50T, 100T  Ice Flaker	LMIF200T  Ice Flaker
LMIM15  Ice Maker	LMIM20C  Ice Maker with Crusher	ISE19, 62  Nitrate / Fluoride ISEs	ER SERIES  pH Electrode / DO Electrode	CC1, CC2, CC3  Conductivity Cell