AN ISO 9001 : 2015 COMPANY ®

LABMAN

SCIENTIFIC INSTRUMENTS

Total Organic Carbon Analyzer
TOC2NDIR

Catalogue 2025-26

E - Catalogue

Total Organic Carbon Analyzer (TOC)

TOC2NDIR

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.

Total Organic Carbon Analyzer (TOC)
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

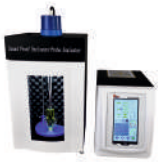
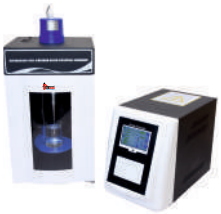
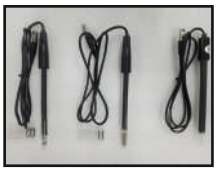
LABMAN Product Range 2025-26

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

LABMAN Product Range 2025-26

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