

Total Organic Carbon Analyzer — Offline

TOC3000



Product Features

1. Designed for TOC monitoring in pharmaceutical water and electronics-grade water.
2. Portable and lightweight design allows easy transportation to different sampling points.
3. Stainless-steel housing provides high-temperature and corrosion resistance.
4. Embedded system with a touchscreen interface for simple and convenient operation.
5. Large storage capacity for extensive test data.
6. Built-in English printer for test parameters and results.
7. No gas or reagents are required during operation, storage, or component replacement.
8. Automatically triggers an alarm and outputs a control signal when the sample concentration exceeds the preset limit.
9. The testing method complies with the latest edition of the Chinese Pharmacopoeia. IQ, OQ, and PQ services are available.

Applications

Offline monitoring and laboratory testing of pharmaceutical water, including purified water and Water for Injection (WFI), as well as cleaning validation. It is also suitable for environmental monitoring, the electronics industry, the food industry, and other applications.

Technical Specifications

Parameter	Specification
Power Supply	AC 220 V $\pm$ 10%, 50 Hz, 120 W
Measurement Range	0.001–1.500 mg/L (1–1500 ppb)
Conductivity Range	0–10 μ S/cm

Parameter	Specification
Measurement Principle	UV oxidation and direct conductivity detection
Resolution	0.001 mg/L
Accuracy	±3%
Repeatability	≤3%
Sample Temperature	1–95°C
Relative Humidity	≤85%
Response Time	Within 1 minute
Analysis Time	3 minutes per test; supports continuous testing
User Access Levels	Three-level access control designed to meet FDA 21 CFR Part 11 requirements
Storage Capacity	More than 1,000,000 historical records; unlimited storage through USB export
Print Output	Built-in printer
Operating System	Windows CE
Display	7-inch color touchscreen
Communication Ports	RS232, RS485, and 4–20 mA signal output
Dimensions	350 × 240 × 280 mm (L × D × H)
Net Weight	4.5 kg, including standard accessories

Functional Parameters:

Audit Trail, Electronic Signature.