

## Total Organic Carbon Analyzer



BK-TOC1500



BK-TOC1700

### Features:

- \* Equipped with conductivity detector to quantify TOC concentration.
- \* BK-TOC1700 is able to work under on-line mode to realize real-time monitoring.
- \* Ideal choice to measure and monitor microelectronics water, purified water, water for injection, etc.
- \* Automatic sample introduction with one-button setting, no sample contamination, no harm on operator and environment.
- \* UV oxidation by UV lamp, no need to add acid, gas or catalytic, greatly reduces the experiment and maintenance cost.
- \* 7 inches touch screen with smart UI, easy to operate and read test data.
- \* In compliance with FDA-21 CFR Part11 requirements and USP, EP, JP and CHP.
- \* Auto sampler is optional according to different experiment requirements.
- \* Online and offline mode can be easily switched. (BK-TOC1700).
- \* 8GB large storage capacity, no restriction of data and time.
- \* Quick test, each analysis takes less than 3 minutes.
- \* All historical records can be traced by searching test date.
- \* Data can be retrieved and saved to USB directly.
- \* Equipped with Bluetooth printer for quick and easy data printing.
- \* Modular design for quick installation and easy maintenance.

### Technical Parameters:

Model	BK-TOC1500	BK-TOC1700
Work Model	Offline	Online and offline
Detection Range	0.001~1.5mg/l	
Detection Limit	1ppb	
Max Tolerance	±5%	
Analysis Time	3 min	
Response Time	Within 10 min	
Sample Temperature	1~95°C	
Sample Flow Speed	3ml/min	
Repeatability Tolerance	≤3%	
Drifting	±5%	
Environment Temperature	10-40°C with temperature change±5°C/d	
Relative Humidity	≤85%	
Power Supply	AC 220V, 50/60Hz (Standard); AC 110V, 50Hz (Optional)	
Consumption	100W	
External Size(L*W*H)	440*220*300mm	440*220*405mm
Net Weight	11kg	12.25kg
Package Size(L*W*H)	640*490*440mm	640*490*440 mm
Gross Weight	16kg	19kg

## Total Organic Carbon Analyzer



BK-TOC2000



BK-TOC3000

### Features:

- \* Equipped with signal management system to realize accurate online setting, real-time monitoring, self-testing and flow speed controlling, also ensures perfect device performance and experiment safety.
- \* Low current system design highly ensures the safety of operators.
- \* Temperature can be set according to different samples which ensures complete sample digestion.
- \* The power of cooling module can be set according to sampling volume which improves drying performance, also prohibits wet gas damaging the NDIR detector.
- \* Automatic leakage checking system not only avoids mis-operations also improves device performance and operation safety.
- \* Flow rate controlling system avoids the influence of flow rate fluctuation which ensures more accurate data.
- \* TOC detector with 24 bits data solution extends monitoring range. Controlling system with 32bin processing technology greatly improves device performance.

### Technical Parameters:

Model	BK-TOC2000	BK-TOC3000
Method	Dry method	Wet Chemical Oxidation By UV
Digestion Mode	High Temperature Combustion	/
Detector	NDIR	
Parameters	TC, TIC, TOC, NPOC	
Gas Requirement	Oxygen ≥ 99.995%	Nitrogen ≥ 99.995%
Measurement Range	0~50000mg/l (ppm), Manual Dilution	0~10000mg/l (ppm)
Detection Limit	50µg/l (ppb), Standard catalyst	5µg/l (ppb)
Operation Mode	PC software Controlled	
Application	Liquid Sample	
Repeatability	3%	
Maximum Salinity	1000mg/l	85g/l
Power Supply	AC 220V, 50/60Hz (Standard); AC 110V, 50Hz (Optional)	
Consumption	1000W	200W
External Size(L*W*H)	450*500*480mm	460*360*450mm
Net Weight	41kg	25kg
Package Size(L*W*H)	780*710*610mm; 550*260*550mm	660*610*680 mm
Gross Weight	59kg; 7kg	45kg