

## Total Organic Carbon Analyzer



### Features:

- \* Auto sample dilution, auto acid-adding and auto gas purging (BK-TOC5000RD).
- \* 680°C catalytic oxidation technology with platinum catalyst, especially for seawater test.
- \* NDIR detector, high sensitivity and stability.
- \* Optional autosampler.
- \* Multi-functional PC software.
- \* Precise gas flow control technology improves accuracy.
- \* PID temperature controlling technology, ensure higher accuracy.
- \* Unique three-stage dehydration technology improves drying efficiency.
- \* Personalized standard curve management provides great convenience for users.
- \* Consumables management reminds users to replace consumables in time.
- \* Modular design, simplifying device operation and maintenance.

### Technical Parameters:

Model	BK-TOC5000RN	BK-TOC5000RD
Measurement Method	High Temperature Catalytic Combustion	
Detector	NDIR	
Analysis Parameter	TC, TIC, TOC, NPOC	
Control Mode	PC software controlled	
Gas Requirement	Oxygen, purity ≥99.995%	
Sample Type	Liquid sample (AS-W20 is optional.); Solid sample ( AS-S200 is needed.)	
Measurement Range	0~1000mg/L, can extend to 0~100,000mg/L (Manually dilution)	0~1000mg/L, can extend to 0~100,000mg/L (Automatically dilution)
Limit of Detection	TC: 50µg/L; IC: 20µg/L	
Measuring Time	TC: around 4min; IC: around 3min	
Max. Permissible Error	TOC: ± 5%; IC: ± 4%	
Repeatability	≤3%	
Injection Volume	TC: 100~500µl; IC: 100~2000µl	
Optional Accessories	Autosampler for liquid sample or solid sample, Enhanced Halogen Removal Device, Enhanced Halogen Removal Device-Metal Wire Mesh	
Power Supply	AC220V±10%,50/60Hz (Standard); 110V±10%,50/60Hz (Optional)	
Consumption	700W	
Package Size(W*D*H)	Main Machine: 780*710*610mm; Accessories: 710*230*600mm	
Gross Weight	Main Machine: 59kg; Accessories: 7kg	Main Machine: 63kg; Accessories: 8kg