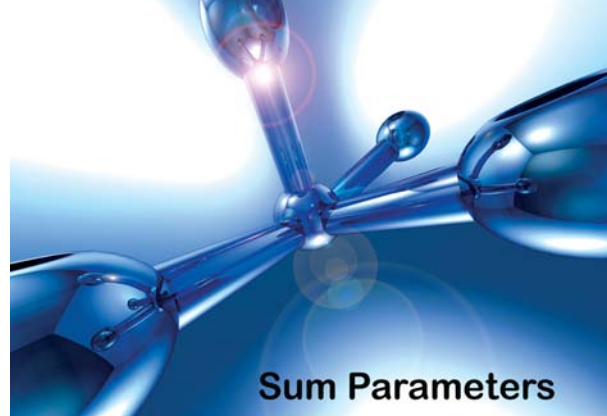


# Specification Sheet



TOC Analyser  
Catalytic combustion oxidation  
TOC-L CSH/CSN  
TOC-L CPH/CPN

Items	High-Sensitivity Model		Standard Model	
	TOC-LCPH	TOC-LCSH	TOC-LCPN	TOC-LCSN
Measurement Method	680 °C combustion catalytic oxidation – non-dispersive infrared detection (NDIR) method			
Operation Method	PC-controlled	Standalone *PC control available	PC-controlled	Standalone *PC control available
Measured Items	TC, IC, TOC (= TC-IC), NPOC (TOC measurement via acidification and sparging) *Option: POC, TOC (= NPOC + POC), TN			
Applicable Samples	Aqueous (optional solid/gas samples)			
Measurement Range	TC: 0 to 30,000 mg/L IC: 0 to 35,000 mg/L (Option) TN: 0 to 10,000 mg/L POC: 0 to 500 mg/L		TC: 0 to 30,000 mg/L IC: 0 to 3,000 mg/L (Option) TN: 0 to 10,000 mg/L POC: 0 to 500 mg/L	
Detection Limit	TC, IC: 4 µg/L, TN: 5 µg/L		TC: 50 µg/L, IC: 4 µg/L, TN: 20 µg/L	
Reproducibility	TC, IC, NPOC: CV 1.5 % max. or ±4 µg/L max (Optional TN: CV 3.0 % max. or ±5 µg/L max)		TC, NPOC: CV 1.5 % max. or ±50 µg/L max, IC: CV 1.5 % max. or ±4 µg/L max (Optional TN: CV 3.0 % max. or ±20 µg/L max)	
Measuring Time	TC: approx. 3 min, IC: approx. 3 min (Optional TN: approx. 4 min)		TC: approx. 3 min, IC: approx. 4 min (Optional TN: approx. 4 min)	
Sample Injection	Automatic sample injection using a syringe pump and slide type injection mechanism			
Sample Injection Volume	10 to 2,000 µL variable		TC: 10 to 150 µL variable, IC: 10 to 4,500 µL variable	
IC Removal	Automatic addition of acid and sparging			
Sample Dilution	Dilution rate of 2× to 50× (automatic sample dilution by syringe pump), dilution accuracy: ±2 % max. (2× to 20×), ±5 % max. (21× to 50×)			
Display and Operations	Operated by PC		Operated by PC	
External Memory (Standalone Type)	—		—	
	USB flash memory used		USB flash memory used	

Printer (Standalone Type)	—	PC USB printer can be used	—	PC USB printer can be used
Carrier Gas	High-purity air (CO, CO <sub>2</sub> , HC content: Each 1 ppm max., dew point: -50 °C max.) Supply Pressure: 200 ±10 kPa (300 to 600 kPa with an optional carrier gas pressure regulator installed) Optional use of nitrogen gas (not possible in the TN measurement). With the standard model, optional use of pressurized gas.			
Gas Consumption	150 mL/min (230 to 250 mL/min during sparging) (Variable flowrate)		230 mL/min (variable flowrate) A separate 100 mL/min is required for sparging with ASI-L using External Sparge Kit.	
Power Supply	100 to 240 V AC, 600 VA (Permitted range: 90 to 264 V AC)			
Applicable Regulations	CE			
Ambient Temperature Range	5 to 35 °C			
Dimensions	W340 × D660 × H480 mm (Excluding protrusions)			
Weight	Approx. 35 kg			