



QP1680 High-Temperature TOC Laboratory Analyser, with auto sampler, 96 positions

Product #: LPV448.99.00501

AED Price: Contact Hach

The QP1680 is available as a combined TOC and TN_b analyser or for the individual parameters TOC or TN_b.

The most important features include:

- Direct sample injection eliminates sample contact with valves and the built-in injection syringe, which minimizes the risk of sample carry-over.
- Large diameter sample aspiration tubing can handle particles up to 800 µm, expanding possible applications and reducing clogging.
- Integrated stirrer for each sample position homogenizes particle-containing samples before injection.
- Small footprint with integrated 65-position auto-sampler requires less space in the laboratory (an auto-sampler with 96 positions is also available as an alternative).
- Simple operation, data analysis and system diagnosis thanks to an intuitive software package.

Specifications

Ambient temperature:	-20 - 60 °C
Analysis time:	Approx. 3 minutes
Detection limit:	TC, TOC, NPOC: 50 µg/L
Dimensions:	440 mm x 380 mm x 700 mm (H x W x D)
Gas consumption:	150 mL/min*

*Sample preparation for NPOC determination requires additional 300-350 mL/min.

Gas specifications:	Oxygen or synthetic air: minimum 99.998% (4.8) at 3 - 10 bar
Measurement method:	NDIR (non-dispersive Infrared Detection)
Measuring range:	TC, TIC, NPOC: 0 - 30000 mg/L
Model:	QP1680-TOC
Norms:	TOC / NPOC: ASTM D7573, EN 1484, EPA 415.1, EPA 9060A, ISO 8245, SM 5310B, NEN-ISO 20236
Number of sample positions:	96
Operating conditions:	20 - 30 °C; 20 - 80% relative humidity (non-condensing)
Oxidation method:	Catalytic combustion at 680 °C
Parameter:	TOC
Pollution degree:	2
Power:	Analyser: 750 W max.

	PC: 90 W max.
	Monitor: 100 W max.
Power supply:	Analyser: 100 - 240 VAC, 50/60 Hz, 16 A, with protective grounding
	PC: 100 - 240 VAC, 50/60 Hz, 1.6 A, with protective grounding
	Monitor: 100 - 240 VAC, 50/60 Hz, 1.6 A, with protective grounding
Repeatability:	Up to 10 mg/L TC, TIC, NPOC, TN: < 5%
	> 10 mg/L TC, TIC, NPOC, TN: < 2%
Sample volume:	10 - 1000 µL
Temperature:	Furnace temperature max. 1050 °C (depending on configuration)
Warranty:	24 months
Weight:	Approx. 31 kg
What's included?:	TOC Instrument
	Sample tray with 96 positions for 24 mL vials
	Glass sample vials 24 mL (100 pcs)
	USB 2.0 cable A-B
	Set of tubing PTFE blue-stripe 1/8" OD length 2 m including nut & ferrule
	Reagent container with screwcap for UPW, Acid and Waste
	Power cord
	USB storage device with software, test results and Full User Manual
	Printed User Manual

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Required Accessories

- QP1680 TOC/TNb Starter Package (Item SMKIT500000)