



QP1680 High-Temperature TOC/TNb Laboratory Analyser, with auto sampler, 65 positions

Product #: LPV448.99.01001

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

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| Ambient temperature: | -20 - 60 °C |
| Analysis time: | Approx. 4 minutes |
| Detection limit: | TC, TIC, NPOC: 50 µg/L |
| | TNb: 20 µg/L |
| Dimensions: | 440 mm x 380 mm x 700 mm (H x W x D) |
| Gas consumption: | 200 mL/min* |

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

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| Gas specifications: | Oxygen or synthetic air: minimum 99.998% (4.8) at 3 - 10 bar |
| Measurement method: | TOC: NDIR (non-dispersive Infrared Detection) |
| | TN: Chemiluminescence |
| Measuring range: | TC, TIC, NPOC, TN _b : 0 - 30000 mg/L |
| Model: | QP1680-TOC/TN _b |
| Norms: | TOC / NPOC: ASTM D7573, EN 1484, EPA 415.1, EPA 9060A, ISO 8245, SM 5310B, NEN-ISO 20236 |
| | TN _b : ASTM D8083, EN 12260, ISO 11905-2, NEN-ISO 20236 |
| Number of sample positions: | 65 |

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| Operating conditions: | 20 - 30 °C; 20 - 80% relative humidity (non-condensing) |
| Oxidation method: | Catalytic combustion at 720 °C |
| Parameter: | TOC, TNb |
| 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. 32 kg |
| What's included?: | TOC/TNb Instrument Sample tray with 65 positions for 40 mL vials Glass sample vials 40 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 |

What's included?

TOC/TNb Instrument
Sample tray with 65 positions for 40 mL vials
Glass sample vials 40 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

Required Accessories

- QP1680 TOC/TNb Starter Package (Item SMKIT500000)