



QP1680 High-Temperature TN_b Laboratory Analyser, with auto sampler, 65 positions

Product #: LPV448.99.02001

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:	TN: 20 µg/L
Dimensions:	440 mm x 380 mm x 700 mm (H x W x D)
Gas consumption:	200 mL/min
Gas specifications:	Oxygen or synthetic air: minimum 99.998% (4.8) at 3 - 10 bar
Measurement method:	Chemiluminescence
Measuring range:	TN _b : 0 - 30000 mg/L
Model:	QP1680-TN _b
Norms:	TN _b : ASTM D8083, EN 12260, ISO 11905-2, NEN-ISO 20236
Number of sample positions:	65
Operating conditions:	20 - 30 °C; 20 - 80% relative humidity (non-condensing)
Oxidation method:	Catalytic combustion at 720 °C
Parameter:	TN _b
Pollution degree:	2
Power:	Analyser: 750 W max.
	PC: 90 W max.
	Monitor: 100 W max.

Power supply:	<p>Analyser: 100 - 240 VAC, 50/60 Hz, 16 A, with protective grounding</p> <p>PC: 100 - 240 VAC, 50/60 Hz, 1.6 A, with protective grounding</p> <p>Monitor: 100 - 240 VAC, 50/60 Hz, 1.6 A, with protective grounding</p>
Repeatability:	<p>Up to 10 mg/L TC, TIC, NPOC, TN: < 5%</p> <p>> 10 mg/L TC, TIC, NPOC, TN: < 2%</p>
Sample volume:	10 - 1000 µL
Temperature:	Furnace temperature max. 1050 °C (depending on configuration)
Warranty:	24 months
Weight:	Approx. 29 kg
What's included?:	<p>TNb Instrument</p> <p>Sample tray with 65 positions for 40 mL vials</p> <p>Glass sample vials 40 mL (100 pcs)</p> <p>USB 2.0 cable A-B</p> <p>Set of tubing PTFE blue-stripe 1/8" OD length 2 m including nut & ferrule</p> <p>Reagent container with screwcap for UPW, Acid and Waste</p> <p>Power cord</p> <p>USB storage device with software, test results and Full User Manual</p> <p>Printed User Manual</p>

What's included?

TNb InstrumentSample tray with 65 positions for 40 mL vialsGlass sample vials 40 mL (100 pcs)USB 2.0 cable A-BSet of tubing PTFE blue-stripe 1/8" OD length 2 m including nut & ferruleReagent container with screwcap for UPW, Acid and WastePower cordUSB storage device with software, test results and Full User ManualPrinted User Manual

Required Accessories

- QP1680 TOC/TNb Starter Package (Item SMKIT500000)