

Spectroquant® NOVA photometers

Maximize efficiency – in the lab or on the go

Spectroquant® NOVA lab bench photometers pack maximum convenience into minimum size. They allow you to easily analyze water test kits right in your lab. Compact and robust, Spectroquant® NOVA filter photometers have no moving parts and take very little space. Hence, they can be easily carried to other labs, and – in the case of the 30A and 60A versions – even taken on-site. Accurate results are another major benefit. The wide choice of parameters and measuring ranges of Spectroquant® test kits eliminates dilution errors.

Furthermore, you can easily verify the instruments' calibration using the automated Analytical Quality Assurance (AQA) program and Spectroquant® PhotoCheck solutions. The system not only helps secure your results, but also supports audits with comprehensive reports and documentation, which can be easily downloaded.



Features

- Rapid analysis in the lab saves time and costs
- Variety of measuring ranges and parameters for accurate results
- Robust, compact format enables easy transportation between labs
- Spectroquant® PhotoCheck facilitates verification of instrument's calibration
- Comprehensive documentation simplifies audits

Spectroquant® NOVA 30 A

Basic instrument for convenient waste water analysis with cell tests.

- Compact, robust and mobile when required
- Barcode reading system for cell tests
- AQA support and documentation
- Runs all important cell tests for waste water analysis

Spectroquant® Photometer NOVA 30 A		Ord. No. 1.09748.0001
Net version, incl. rechargeable battery, graphic display 128 x 64 pixel		
Wavelength	6 filters in array-technique with reference beam: 340, 445, 525, 550, 605, 690 nm \pm 2 nm, half band width 10 nm (30 nm for 340 nm)	
Photometric reproducibility	0.001 A at 1.000 A	
Photometric resolution	0.001 A	
Types of determination	Absorbance, concentration, transmission	
Measur. range of absorbance	-0.300 A to 3.200 A	
Lamp	Tungsten halogen lamp, preset, no warm-up time, measuring time 2 s	
Date/Time	real time clock integrated in the photometer	
Cell compartment	16 mm \varnothing cells	
Test recognition	AutoSelect function (bar-code reading system) automatic cell recognition	
Method-update	via Internet	
AQA	3 quality control modes	
Turbidity correction	simultaneous multiwavelength measurement to correct turbidity	
Interface	RS 232 C serial interface for printer and computer	
Methods	Programming of more than 60 methods for Spectroquant® cell tests, as well as physical measurements and pre-programmed applications	
Storage capacity	up to 500 results	
Power supply	100 - 240 V~, 50 - 60 Hz	
Temperature	Storage: -25°C to +65°C, operations: +5°C to +40°C	
Allowable relative humidity	Annual mean: \leq 75 %, 30 days/year: 95 %, other days: 85 %	
Dimensions	140 x 270 x 260 mm (H x D x W)	
Weight	2.8 kg incl. battery	



Spectroquant® PhotoCheck

For checking the photometer, further details see page 125.

Spectroquant® NOVA photometers

Spectroquant® NOVA 60 and 60 A

For routine analysis of all water types with a universal range of applications

- Over 150 test kits with various measuring ranges
- Stores up to 50 user-defined methods
- Barcode reading system for all test kits
- AQA support and documentation
- Runs cell tests and reagent tests
- NOVA 60 A can also be used for mobile analysis

Spectroquant® Photometer NOVA 60

Ord. No. 1.09751.0001

Net version, graphic display 128 x 64 pixel

Wavelength	12 filters in array-technique with refer. beam: 340, 410, 445, 500, 525, 550, 565, 605, 620, 665, 690, 820 nm ±2 nm, half band width 10 nm (30 nm for 340 nm)
Photometric reproducibility	0.001 A at 1.000 A
Photometric resolution	0.001 A
Types of determination	Absorbance, concentration, transmission
Measur. range of absorbance	-0.300 A bis 3.200 A
Lamp	Tungsten halogen lamp, preset, no warm-up time, measuring time 2 s
Date/Time	real time clock integrated in the photometer
Cell compartment	10, 20, 50 mm cuvettes and 16 mm Ø cells
Test recognition	AutoSelect function (barcode reading system) automatic cell recognition
Method-update	via Internet
AQA	3 quality control modes
Turbidity correction	simultaneous multiwavelength measurement to correct turbidity
Interface	RS 232 C serial interface for printer and computer
Methods	Programming of more than 170 methods for Spectroquant® cell and reagent tests, as well as physical measurements and pre-programmed applications
Storage capacity	up to 1,000 results
Special functions	50 free programmable methods
Power supply	100 - 240 V~, 50 - 60 Hz
Temperature	Storage: -25°C to +65°C, operations: +5°C to +40°C
Allowable relative humidity	Annual mean: ≤75 %, 30 days/year: 95 %, other days: 85 %
Dimensions	140 x 270 x 260 mm (H x D x W)
Weight	2.3 kg





Cleaning agents for cells and glass vessels.
For more information see page 83.

Spectroquant® Photometer NOVA 60 A

Ord. No. 1.09752.0001

Net version incl. rechargeable battery, graphic display 128 x 64 pixel

All technical details same as NOVA 60 (Ord. No. 1.09751.0001)

Weight 2.8 kg incl. battery

Accessories for Spectroquant® NOVA photometers

Cases

Ord. No.

Case for Spectroquant® NOVA 30 and NOVA 60 photometers

1.09769.0001

PC software and cable

Ord. No.

Multi-Achat II for Windows (German Version + English Version on CD-ROM).

1.14964.0001

PC software for transferring data from the Spectroquant® NOVA 30, NOVA 60, and NOVA 400 photometers. Additional tool enables control WTW pH, oxygen and conductivity meters. System requirements: Windows 98/2000/XP/WIN 7 (32-Bit)

PC cable for Spectroquant® NOVA 30, NOVA 60, NOVA 400 photometers (for serial bus)

1.14667.0001

Halogen lamps

Ord. No.

Halogen lamp for Spectroquant® NOVA 30 and NOVA 60 photometers

1.09749.0001

Halogen lamp for Spectroquant® NOVA 400 spectrophotometer

1.09778.0001

Rectangular and round cells

Ord. No.

Rectangular cells 10 mm (1 pack = 2 pcs)

1.14946.0001

Rectangular cells 20 mm (1 pack = 2 pcs)

1.14947.0001

Rectangular cells 50 mm (1 pack = 2 pcs)

1.14944.0001

Semi-microcells 50 mm (1 pack = 2 pcs)

1.73502.0001

Rectangular cells quartz 10 mm (1 pack = 2 pcs)

1.00784.0001

Empty cells 16 mm Ø (1 pack = 25 pcs) with screw cap

1.14724.0001

Positioning Aid for 10 mm plastic cuvette

1.00787.0001

Zero Cell (1 pack = 1 pc) >> more information see page 125

1.73503.0001