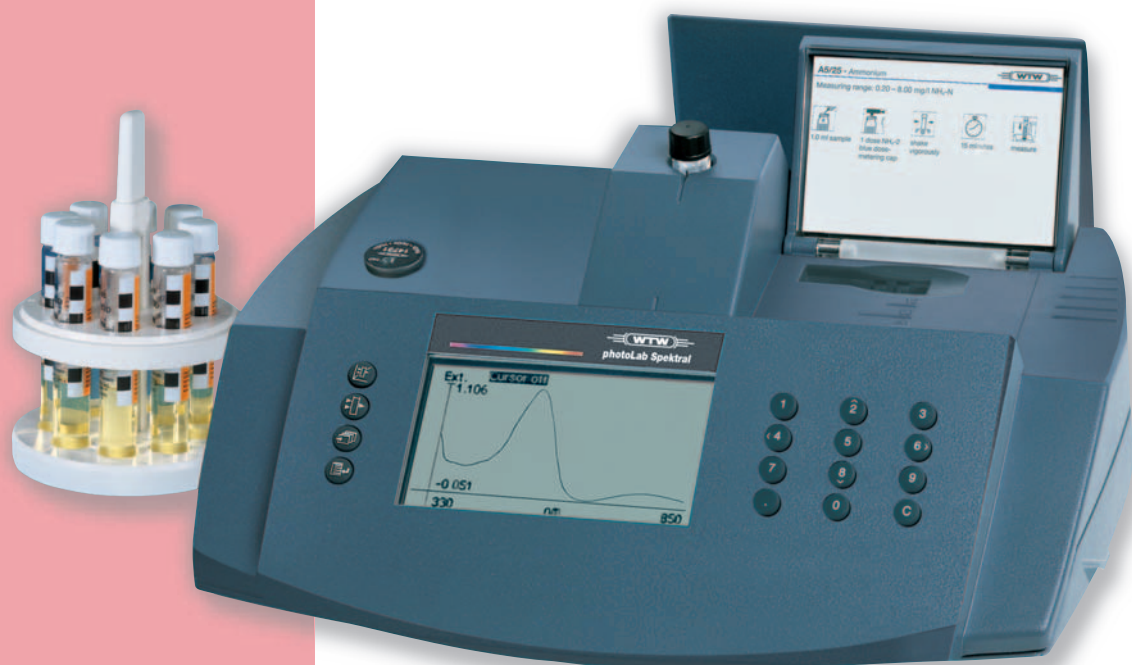


photoLab® Spektral



- Absorption spectrums
- Kinetics
- Multi/ACHAT II for easy data transfer

The all-round instrument for laboratory use

photoLab® Spektral offers free selection of wavelength between 330 nm to 850 nm with a free choice of wavelength. A high-quality Zeiss optical module is at the heart of this contains spectral photometer. Its no-wear technology no mechanical parts. In operating mode, the photometer carries out regular **AutoChecks** thus ensuring correct measuring results. These can be checked and documented using the AQA functions.

Comfortable Handling

photoLab® Spektral is as easy to use as every other photoLab® series photometer from WTW: “AutoSelect” for automatic test recognition of coded cuvette with all necessary wavelength and calibration settings. After inserting the cuvette, the large well-laid-out graphics display immediately shows the reading in the desired form. Up to 1,000 stored measured data can be output via PC or serial printer (see *Software and Accessories* from page 112).

photoLab® Spektral contains the complete range of available test kits. Updates of the stored method data are available for download from the WTW home page (www.wtw.com).

Special Functions

In addition to routine tasks with the entire range of test kits, **photoLab® Spektral** can perform the specialized tasks of a spectral photometer:

Using the graphics functions, absorption spectrums can be clearly displayed and evaluated according to selected regions. Its special functions also facilitate the determination of reaction kinetics (for recording longer periods, the photometer should have been turned on for a respectively long period!).

For certain test kits turbidity corrections are performed simultaneously and displayed in the documentation.

NEW User-Defined Methods – now easier!

100 user-defined methods can be entered using the numerical keyboard or via the supplied software Multi/ACHAT II. For this purpose, **photoLab® Spektral** is equipped with simplified functions for determining and storing required calibration data.

A comfortable input mask makes entry of user-defined methods via PC and Multi/ACHAT II even easier. After storage you can thus select and perform your user-defined tests as easily as rapid tests by entering a three-digit method number. Data evaluation is performed with Multi/ACHAT II in clearly arranged tables that can be processed with a PC.

Technical Data

Model	photoLab® S6 and S6-A	photoLab® S12 and S12-A	photoLab® Spektral
Type	Filter Photometer	Filter Photometer	Spectrophotometer with photodiode array technology
Photodiode array for	6 wavelengths	12 wavelengths	–
Wavelengths, nm	340, 445, 525, 550, 605, 690	340, 410, 445, 500, 525, 550, 565, 605, 620, 665, 690, 820	Range 330 ... 850, stepless
User-defined methods	–	50	100
Auto-zero adjustment	Yes	Yes	Yes
AutoSelect-function	Yes	Yes	Yes
Cuvette recognition	Yes	Yes	Yes
Cuvette type	Round	Round, 10 mm, 20 mm and 50 mm	Round, 10 mm, 20 mm and 50 mm
Data storage and time	500 data sets with date and time	1000 data sets with date and time	1000 data sets with date and time
Special functions	AQS/IQK	AQS/IQK, Kinetics	AQS/IQK, Kinetics, Absorption spectrum; incl. Multi/ACHAT II
Operation with rechargeable batteries (optional)	1 working day, total discharge protection, maintenance charging during mains operation	1 working day, total discharge protection, maintenance charging during mains operation	–
Test marks	CE, UL, CUL	CE, UL, CUL	CE, UL, CUL
Warranty	2 years	2 years	2 years

Ordering Information

Model		Order No.
photoLab® S6	Mains operated version, 230 V European standard plug	250 013
photoLab® S6-A	Version with rechargeable batteries, 230 V European standard plug	250 022
photoLab® S12	Mains operated version, 230 V European standard plug	250 024
photoLab® S12-A	Version with rechargeable batteries, 230 V European standard plug	250 026
photoLab® Spektral	230 V/115 V plug-in transformer with 4 plug adaptors	250 028
Note: versions for other mains supplies/countries on request		

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