

- Universal and flexible - spectroFlex 6100 and 6600

Spectral Photometers
for systematic and spectral analysis



- AQA for all your needs
- Analysis from 190 to 1100 nm
- USB for easy data management

AQA: Set it up to meet your requirements

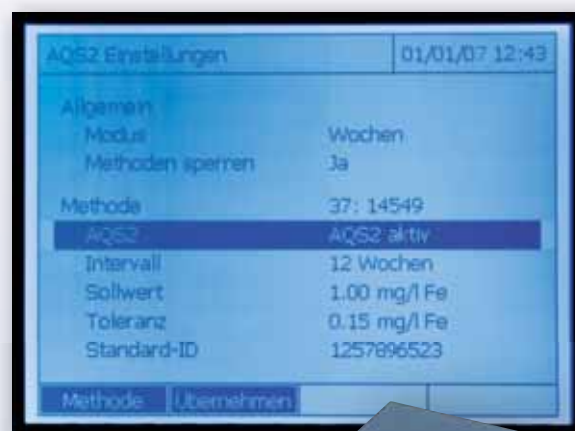
WTW photometers are distinguished for their instruments supporting Analytical Quality Assurance (AQA). User friendly operation for checking the instrument and test kits for single users are supported as well as an extensive user administration for a multiple user environment. The AQA can be switched-on or switched-off optionally; the procedure is interval-controlled.

Multi-level AQA functions

- Checking of instrument via PhotoCheck
- System check of instrument, test kit and measuring results with standard solutions
- Spiking procedures and matrix check

Extended checking routines

- Self-checks
- Auto-calibration against reference at multiple wave lengths



Systematic Analysis

A standard task in water analysis and service laboratories is the concentration measurement of varied parameters. By means of the well proven combination of a rectangular and round cuvette slot with barcode recognition, the spectroFlex series is perfectly suitable for:

- **Automatic test recognition** with barcode – also for reagent kits in rectangular cuvettes!
- **Automatic cuvette recognition** without adapter replacement, for round cuvettes 10, 20 and 50 mm rectangular cuvettes.
- **Advanced optical elimination of cuvette failures** no cuvette turning: simply insert and read result immediately.
- **More than 150 methods** for commercial test kits – starting with approx. 50 and continuously being extended and updatable via Internet and USB stick.
- **Direct methods**, such as the measurement of SAC at 254 nm
- **100 user-defined methods**
- **Drain** for optimal protection against reagents incidents – a must for professional laboratories





Data management with USB interface

The USB interfaces (USB-A, USB-B) for comfortable data exchange – either via USB stick or via Hub into a larger PC environment. The bi-directional exchange enables easy handling for the storing and updating of

- Measurement data sets
- Spectra and kinetics data
- Software updates
- Method updates

Using an external barcode reader, further barcodes can be read, e.g. for sample ID.

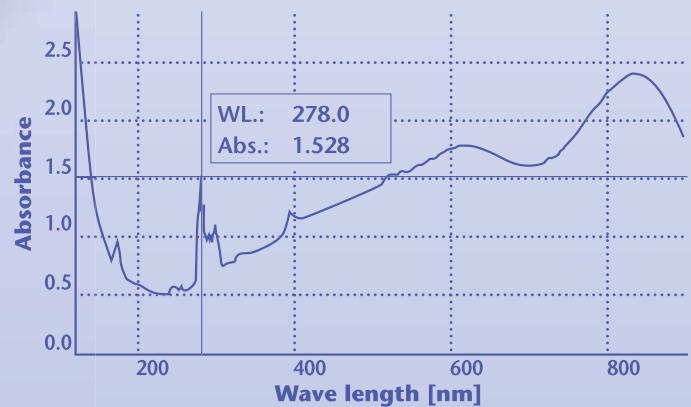
An RS232 interface is also available.



Spectral Analysis

The spectroFlex series is designed for spectra, kinetics and multi-wavelength measurements ranging from 190-1100 nm. The new concept featuring menu related functional keys allows a user-friendly and fast operation not only for standard measurements, but also for special routines:

- **20 user profiles**, storable for each spectra/scan, kinetics and multi wave length measurement, either for absorbance or % transmission
- **Extensive evaluation functionalities**, e.g. min./max. recognition, spectra addition and subtraction, peak area determination, derivation, smoothing, multiplication by constants
- **Large graphic display**, backlit for concise operation and graphical evaluation with cursor sensing and zoom
- **Direct access to functionalities** via function keys for standard function i.e. dilution, changing the quotation mode, function related settings
- **Selection table** for most convenient selection and search of data, parameters (favourites) etc.



spectroFlex^{SERIES} 6100

for measurements in VIS range
320–1100 nm

spectroFlex 6100 is designed for use in the VIS range from 320 to 1100 nm and offers the best optical performance in its class. It is ideal for water analysis with commercial test kits and education – also with scan functions for absorbance and kinetics measurement.

spectroFlex^{SERIES} 6600

for measurements in UV-VIS range
190–1100 nm

spectroFlex 6600 with a wavelength range from 190 to 1100 nm is designed to cover all applications in the complete UV-VIS range and – besides the systematic analysis – also the measurement of absorbance scans and kinetics. Thus, the spectroFlex 6600 is an excellent choice not only for water analysis and service labs but also for teaching and research.

Technical Data

	spectroFlex 6100	spectroFlex 6600
Wave length range	320–1100 nm	190–1100 nm
Technics	Single beam with optical cuvette failure elimination	
Lampe	Tungsten	Xenon Flash
Band width	4 nm	
Measurement modes	Concentration, absorbance, transmission, kinetics and spectra with abs. and % transmission, multi wavelength	
Spectra/ Scans	Scans in 1 nm steps for freely defined wave length range	
Barcode	Automatic recognition of Merck and WTW coded round and rectangular cuvettes, external barcode for other tests and sample-ID optional	
Cuvettes	16 mm round, rectangular 10 mm, 20 mm, 50 mm with automatic recognition, no adapter needed	
Display	Backlit graphic display for comprehensive data evaluation	
Data storage	1000 values; for spectra + kinetics approx. 4 MB = 100 spectra (300–900 nm) and 400 kinetics with 150 values each	
Methods and profiles	over 150 programmable methods (starting with approx. 50), 100 user defined methods, 20 profiles each for kinetics + spectra	
Update	via Internet und USB-Stick	
Interfaces	1 USB-A, 1 USB-B, 1 RS232	
Protection class	IP31 and drain in optical compartments	
Power supply	Country specific cables (EU continental, GB, US, AUS)	
Temperature	Operating temperature +10°C to +35°C, storage -25°C to +65°C	
Dimensions	404 x 197 x 314 mm (WxHxD)	
Weight	approx. 3.7 kg w/o power supply	
Accessories (Q4/2007)	PC-Software for easy data evaluation, rechargeable battery for UPS and portable use with ECO mode	

Order Information

Type	Description	Article No.
spectroFlex 6100	Spectral photometer for spectral and systematic analysis ranging 320-1100 (please choose acc. to country specific power supply, e.g. 250201EU = Continental Europe)	250201EU 250201GB 250201US 250201AUS
spectroFlex 6600	Spectral photometer for spectral and systematic analysis ranging 190-1100 (please choose acc. to country specific power supply, e.g. 250202EU = Continental Europe)	250202EU 250202GB 250202US 250202AUS