

The photoLab® Series – Immediate and high precision measuring

The photoLab® filter photometers offer laboratory precision, convenience and rapid results for routine operation:

Open the lid, insert the cuvette, read the measuring value instantly

photoLab® Series

- AQA/IQC, multistage
- Automatic cuvette identification
- Barcode recognition for all cuvette types

Speed and accuracy results from the filter technology used with reference beam technique. Combined with barcoded round and rectangular cuvette tests, efficient and cost-effective measurements are possible. Defined wavelengths by high-precision filters do not require any mechanics and therefore make this measuring instrument practically maintenance free.

- Auto Check for highest stability and precision
- Automatic cuvette recognition for all used cuvette types
- Automatic test recognition via barcode for round and rectangular cuvette tests
- Automatic measuring start
- Automatic Quality Assurance (AQA)
- Wide range of programmed test kits: from convenient cell test to economical reagent test kits



photoLab® S6

The filter photometer with 6 wavelengths for all common routine determinations with cell tests (round) for wastewater and drinking water analysis.

The instrument is simple and easy, ideal for:

- Sporadic, single measurements
- Using cell tests for fast measuring results
- Standard measurements with easy storage

photoLab® S12

Filter photometer with 12 wavelengths for extensive routine operations in service laboratories and for education.

In addition to the barcoded cell tests, there are a considerable number of economic reagent test kits available for rectangular cuvettes. Uniquely, the barcode support also comes with test kits for 10 mm, 20 mm and 50 mm rectangular cuvettes. Even trace concentrations are covered – especially important for drinking water analysis. Additionally, 50 user defined methods are possible and measurements of kinetics can be performed.

The instrument is highly efficient and cost-effective for:

- Routine determinations with a large number of samples
- Measuring the smallest concentrations
- Special tasks with user-defined methods

These features are also suitable for service laboratories.

Technical Data photoLab®		
Model	photoLab® S6 and S6-A	photoLab® S12 and S12-A
Type	Filter photometer	Filter photometer
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
User-defined methods	–	50
Auto-zero adjustment	Yes	Yes
AutoSelect-function	Yes	Yes
Cuvette recognition	Yes	Yes
Cuvette type	Round	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
Essential functions	Concentration, absorption and transmission measurement, AQA/IQC, RS 232 interface	Concentration, absorption and transmission measurement, AQA/IQC, Kinetics, RS 232 interface
Operation with rechargeable batteries (optional)	1 working day, total discharge protection, maintenance charging during AC operation	1 working day, total discharge protection, maintenance charging during AC operation
Test marks	CE, UL, CUL	CE, UL, CUL
Warranty	2 years	2 years

Ordering Information

Model		Order No.
photoLab® S6	AC power operated version, universal plug	250 013
photoLab® S6-A	Version with rechargeable batteries, universal plug	250 022
photoLab® S12	AC power operated version, universal plug	250 024
photoLab® S12-A	Version with rechargeable batteries, universal plug	250 026



Note: versions for other power supplies/countries on request