

Photometers, WINLAB®

WinLab Data Line Photometer for water analysis

LED-photometer with:

- Big spectral range from 380 to 810 nm
- High, photometric precision
- Flexibly usable for many reagent types
- Method memory for 150 calibration curves
- Operation instruction for reagents can be read directly from the display
- Complete documentation per data logging
- Includes software for documentation
- Robust, tested new housing, waterproof
- Backlit display
- Display cover made of glass, scratch-free

With new spectral range

Due to 9 LED and filter combinations, such as:

380 – 430 – 470 – 500 – 520 – 560 – 610 – 700 – 810 nm, a wide spectral range is available.

Free reagent selection

For many manufacturer reagents, e.g. AQUANAL by Sigma - Aldrich, Merck or Visocolor or others. We have many calibration curves available and can save them in your photometer!

Of course, you can do the same at any time, with the included software!

Method memory

With up to 150 calibration curves of different reagents.

Simple operation and much information from the display

The display informs you on every step on the right reagent dosage, each step can be read from the display!

High precision

The electro-optical accuracy within a wide range of extinctions from -0.500 to 2.000 lies at $\pm 1.5\%$.

Display

Back back-illumination and display cover made of scratch-proof mineral glass, the digit-size for the measurement display is 12 mm.

Furthermore, the display informs on date, time, measurement steps, article no. of the reagents used and of course all operational steps.

Data logging and interface

To save up to 1000 data records.

GLP-conform.

The following is documented per data record: date / time / wavelength / reagent used / measurement result / measurement number / location of measurement.

The serial wireless, waterproof IrDA-interface makes a trouble-free data transfer possible, also on-location!

Software

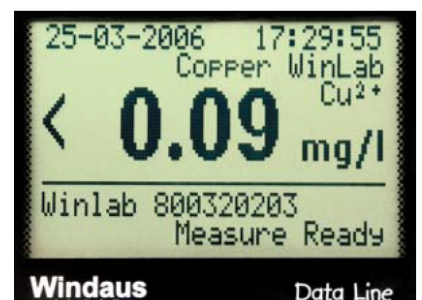
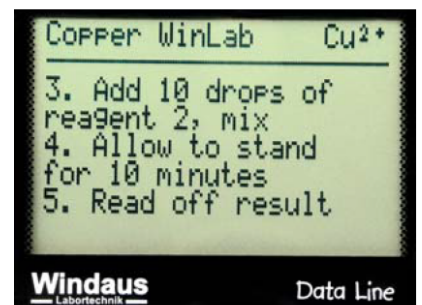
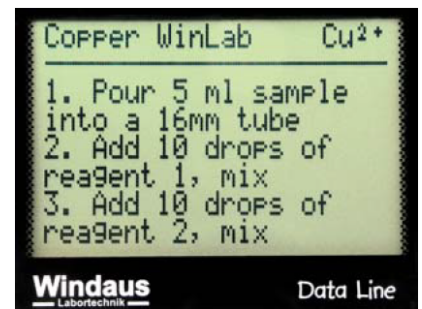
The software included in the scope of delivery offers many possibilities. This way, either calibration curves of the reagents can be selected, which are saved in the photometer memory, or brand-new, e.g. self-created curves! Theoretically, the photometer can work with only one calibration curve or with up to 150.

Housing

The photometer is mostly waterproof, especially in the cuvette duct! Here, the photometer is vastly protected against intruding liquids. The IrDA-interface is also waterproof!

Technical data:

Optics:	LED and filter
Wavelengths:	380 / 430 / 470 / 500 / 520 / 560 / 610 / 700 / 810 nm
Extinction range:	-0c500 to 3.000
Electro-optical accuracy:	in the range from -0.100 to 2.000 1.5% from
Photometric accuracy	$\pm 3\%$ (to filter)
Language selection, operation text:	German / English / Spanish / French or two other languages, e.g. Polish or Italian
Memory:	for up to 150 calibration curves incl. operation texts
Interface:	IrDA, as infrared interface
Data record memory:	up to 1000 data records
Graphic display:	128 x 64 Pixel, 60 x 40 mm size of the reading field, Backlit, with scratch-proof mineral glass cover
Date/time:	with calendar and time (automatic change to Daylight Savings Time)
Power supply:	4 x batteries 1,5 V each (rechargeable by means of included charger)
Energy saving function:	automatic turn-off, according to selected turn-off time



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