

NEW

pHotoFlex Turb – Total Capability



- Turbidity measurement according to DIN 27027/ISO 7027
- 6 wavelengths plus infrared
- Integrated pH measurement

The portable photometer pHotoFlex Turb has all the features of the pHotoFlex and additionally offers the ideal complement of turbidity measurement!

This is an ideal combination wherever fluids, from water to wine, have to be measured in the field. In such cases, turbidity, pH and photometric parameters will often play a role.

In addition to 6 wavelengths for photometric measuring, pHotoFlex Turb has an infrared light source for the measurement of turbidity. The measurement is nephelometric (90° scattered light) and complies with the requirements of DIN 27027/ISO 7027. The measuring covers the range from 0 ... 1100 NTU, and the result can be displayed in FNU units, too. The operation of the portable photometer is very ergonomic and complies with all GLP requirements: All measured data are stored together with date and an identification number. Calibration is supported by a self-running routine.

A standard set is supplied for the 3 points calibration of the instrument (0.02 ... 10 ... 1000 NTU).

As with pHotoFlex, pH functions are integrated with pHotoFlex Turb as well.

Accessories

Making your work easier

The rechargeable battery set pHotoFlex RB

The set consists of a rechargeable battery pack with universal power supply. For the connection to a PC via RS 232, the AK540/B cable (Ordering No. 902 842) is required.



LabStation

The LabStation pHotoFlex LS

The LabStation pHotoFlex LS upgrades the models pHotoFlex and pHotoFlex Turb as well as the new turbidity meter Turb 430 IR (p. 108) to a small laboratory instrument.

Included in delivery is the rechargeable battery pack pHotoFlex RB and a software package. This simplifies laboratory work. Due to the constant environmental conditions and a permanent power supply, the program data of routine measurements can be read via bar-code and carried out without zero-adjusting. The input mask via PC simplifies the input of user-defined methods too.

For the connection of the LabStation to a PC, the AK Labor cable (Ordering No. 902 758) p. 113 is required.

Some bar-code readers can be connected via RS 232, too. This simplifies routine work, as bar-codes are offered for the test sets in the analysis directions and on WTW's webpage (www.WTW.com).

The LabStation serves as charging station for the battery pack.

Technical Data

Model	pHotoFlex	pHotoFlex Turb									
Light source	LED	LED									
Wavelengths nm	436, 517, 557, 594, 610, 690	436, 517, 557, 594, 610, 690 + 860									
User-defined methods	100	100									
Timer	3	3									
Data storage	1000 data sets	1000 data sets									
pH	0-16	0-16									
Turbidity	0-1100 NTU / FNU	0-1100 NTU/FNU									
Accuracy	<table border="0"> <tr> <td>Photometry</td> <td><2 nm</td> </tr> <tr> <td>pH</td> <td>±0.01 pH</td> </tr> <tr> <td>Turbidity (NTU/ FNU)</td> <td>—</td> </tr> </table>	Photometry	<2 nm	pH	±0.01 pH	Turbidity (NTU/ FNU)	—	<table border="0"> <tr> <td>< 2nm</td> </tr> <tr> <td>±0.01 pH</td> </tr> <tr> <td>0-9.99: 0.01; 10-99: 0.1; 100 -1000: 1</td> </tr> </table>	< 2nm	±0.01 pH	0-9.99: 0.01; 10-99: 0.1; 100 -1000: 1
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Auto-zero adjustment/calibration:	<table border="0"> <tr> <td>Photometry</td> <td>With start of new method, with LabStation once a day</td> </tr> <tr> <td>pH / Turbidity</td> <td>3 point</td> </tr> </table>	Photometry	With start of new method, with LabStation once a day	pH / Turbidity	3 point	<table border="0"> <tr> <td>With start of new method, with LabStation once a day</td> </tr> <tr> <td>3 point</td> </tr> </table>	With start of new method, with LabStation once a day	3 point			
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Interface	RS 232, USB via adapter (optional)	RS 232, USB via adapter (optional)									
Measuring parameters	Photometry, pH	Photometry, pH, Turbidity									
Battery	Type AA batteries 4x1.5 V, for approx. 3000 measurements	Type AA batteries 4x1.5 V, for approx. 3000 measurements									
Rechargeable battery	Optional: rechargeable battery or LabStation	Optional: rechargeable battery or LabStation									
Test marks	cETLus	cETLus									
Warranty	2 years	2 years									

Ordering Information

	pHotoFlex	Order No.
pHotoFlex	Portable photometer with pH	251 100
pHotoFlex Turb	Portable photometer with pH and Trübung	251 110
Accessories		
pHotoFlex RB	Rechargeable battery with universal plug	251 300
pHotoFlex LS	LabStation for pHotoFlex models inkl. battery pack and universal power plug	251 301

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