pHotoFlex and pHotoFlex Turb

... uniquely universal – for many applications

The new portable photometer from **WTW**, the **pHotoFlex**, has been designed to be precise whatever the application. The **pHotoFlex** is particularly useful for drinking water, waste water, process control, beverage, and the wine industry.

The **pHotoFlex** features include easy to see large backlit display, low power consumption and robust field case.

- • **Smart adapter for different cuvette sizes**
- • **Turbidity acc. to DIN 27027 / ISO 7027 (pHotoFlex Turb only)**
- • **Robust and accurate optics**

The smart adapter solution
Slide the lid and measure immediately using 28 mm cuvettes

Or would you prefer the 16 mm round cuvettes ?
Flip the adapter and all common 16 mm cuvettes from 91 to 104 mm height can be accommodated. This means a huge variety of test kits can be used.

New Methods - no problem
Methods for different test kits are stored with all necessary defaults. The method list will be constantly updated and can be downloaded easily from the Internet. For user defined methods there is additional storage for 100 methods.

Turbidy measurement made easy
The **pHotoFlex Turb** allows turbidity measurement from 0 - 1100 NTU/FNU.
The unit includes a stable calibration standard kit with retraceable AMCO® Standards (primary standards acc. to US EPA).

pH made easy
pH functions are integrated in all models of the pHotoFlex Series. A large range of compatible DIN pH electrodes are available from the WTW electrode range.

Optional: LabStation
Designed for ease of use in the laboratory. The LabStation has a built in charging function, features software and bar code reader support and has rechargeable batteries included.

	pHotoFlex	**pHotoFlex Turb**
Application	Environmental monitoring, water treatment, beverage industry, wine industry, process control, multi-parameter applications for photometry, pH, and turbidity.	
Wavelengths	436, 517, 557, 594, 610, 690 nm	additionally: Infrared (**pHotoFlex Turb**)
Optics	LED with filters	
Special Functions	pH measurement	pH measurement, Turbidity (IR)
	optional: LabStation with charge function, PC-Software assistance	
User defined Methods	100	
Cuvettes	Round: 28 mm, 16 mm (height 91 - 104 mm)	

Technical Data

pHotoFlex

Handheld photometer for field applications from process control to mobile water testing.
Easy to use menu driven software.

- **Smart adapter for round cuvettes with 28 mm and 16 mm with height from 91-104 mm;**
  allows use of different test kits (List of available test kits: January 2005)
- **Optics: LED's with filters, accuracy < 2 nm, 6 wavelengths: 436, 517, 557, 594, 610, 690 nm**
- **Measuring of concentration, absorbance, transmission**
- **Methods can be updated and downloaded from the Internet**
- **100 user defined methods**
- **pH measurement for full pH range at ±0.01 pH unit resolution**
  with standard DIN combination electrodes
- **Data storage for 1000 data sets**
- **RS 232 Interface**
- **Batteries: 4 Mignon Cells, approx. 300 measurements**

pHotoFlex Turb

For everybody, who needs to combine photometric with turbidity measurement.
Equivalent to **pHotoFlex** with the addition of:

- **IR light source compliant to DIN 27027 / ISO 7027**
- **Measuring range: 0-1100 NTU/FNU**
- **Resolution: 0.01 NTU from 0 to 9.99 NTU, 0.1 NTU from 10 to 99 NTU, 1 NTU from 100 to1100 NTU**
- **Calibration standard kit (0.02 - 10 - 1000 NTU)** with retraceable AMCO® Standards
  (primary standards acc. to US EPA).

pHotoFlex + LabStation:
All pHotoFlex Models
with integrated pH.
optional: LabStation.

Optional: LabStation for all models, with universal power plug, rechargeable batteries,
Software for easy Laboratory analysis and -use, charge function.

Description	Specification	Order No.
pHotoFlex	Handheld photometer with pH	251 100
pHotoFlex Turb	Handheld photometer with pH and turbidity	251 110

Accessories:

Description	Specification	Order No.
pHotoFlex RB	Rechargeable batteries + universal power plug for all **pHotoFlex** models	251 300
pHotoFlex LS	LabStation for **pHotoFlex** models incl. rechargeable batteries and universal power plug	251 301
AK Labor	Interface cable (for LabStation) 9 poles to PC via RS 232 incl. 9/25 pin Adapter	902 758
AK540/B	Interface cable (for **pHotoFlex**) 6 poles to PC via RS 232 inkl. 9/25 pin Adapter	902 842

Available from January 2005