

## PHOTOFLEX Portable Photometers

Portable photometers for measuring a wide variety of samples in the field.



- Bright, easy to read backlit display
- Large selection of test sets
- Stores 100 user-defined routine measurements
- User-friendly on screen guidance for easy operation
- Applications - Environmental monitoring, water treatment, beverage industry, wine industry, process control, multi-parameter applications for photometry, pH and turbidity.

### Description

The pHotoFlex portable photometers offer decisive advantages for water, wastewater and environmental monitoring. They have a bright, easy to read backlit display with auto-off that displays user-friendly on screen guidance for easy operation. The pHotoFlex offers a large selection of test sets to meet most requirements. The photometers can have their software and methods updated via the Internet. Integrated pH measurement with automatic temperature compensation makes the pHotoFlex much more versatile than standard photometers. They can store 100 user-defined routine measurements. The pHotoFlex meters use 4 AA batteries to make approximately 3000 measurements.

The pHotoFlex portable photometers are capable of performing a variety tasks in water, wastewater, and environmental monitoring. The photometers feature a highly robust optical system, which is optimally suited for mobile applications under changing conditions. Their LEDs plus filters for 6 wavelengths have remarkably low power consumption and deliver accurate measuring results. The intuitive menu guidance of the pHotoFlex allows for smooth operation, even without studying the manual. Dilution functions and timer, ease work in special cases.

#### pHotoFlex Turb

The pHotoFlex Turb have all the great features of the standard pHotoFlex portable photometer, but also includes an integrated turbidity sensor. The photometer with turbidity sensor uses an infrared (IR) light source for (90) nephelometric turbidity measurement according to the requirements of DIN 27027/ISO 7027. The pHotoFlex Turb can be easily calibrated using the supplied AMCO® turbidity standards.

### Specifications

*Light source:* LED  
*Wavelengths nm:* 436, 517, 557, 594, 610, 690  
*User-defined methods:* 100  
*Timer:* 3  
*Data storage:* 1000 data sets  
*pH range:* 0-16  
*Turbidity (pHotoFlex Turb):* 0-1100 NTU/FNU  
**Accuracy**  
*Photometry:* < 2nm wavelength accuracy, 0.005 abs. reproducibility  
*pH:* ±0.01 pH  
*Turbidity (pHotoFlex Turb):* 0.01 NTU/FNU or ±2% of the measured value  
**Auto-zero adjustment/calibration**  
*Photometry:* With start of new method  
*pH & turbidity:* 3 point  
*Interface:* RS 232, USB via adapter (optional)  
*Measuring parameters:* Photometry, pH Photometry, pH, Turbidity  
*Power:* AA batteries 4x1.5 V, for approx. 3000 measurements  
*Certifications:* cETLus  
*Warranty:* 2 years

### Options and Accessories

**pHotoFlex/SET** Portable photometer with pH  
 Includes field case and accessories.

**pHotoFlex Turb/SET**  
 Portable photometer with pH and turbidity  
 Includes field case and accessories.

**pHotoFlex**  
 Portable photometer with pH  
 Meter only.

**pHotoFlex Turb**  
 Portable photometer with pH and turbidity  
 Meter only.

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