

# Photometer PCE-CP 04



**Multi-parameter photometer with Bluetooth interface / PC software / Cloud service / Cross-system synchronization of measured values / Up to 5 selectable parameters / For measuring e.g. pH, alkalinity, chlorine, cyanuric acid / Storage of measured values**

The multi-parameter photometer is a mobile measuring device for liquid analysis. This enables the most varied of measurements to be carried out with the multi-parameter photometer. With this multi-parameter photometer, for example, it is possible to determine alkalinity, chlorine, cyanuric acid or the pH value. In order to carry out a measurement with the multi-parameter photometer, a water sample of 10 ml must be placed in a cuvette. The built-in LED in the multi-parameter photometer generates a test light in the wavelength ranges of 503 nm, 570 nm and 620 nm. A photodiode now recognizes the value to be measured based on the light transmission of the sample.

Each measurement is automatically saved by the multi-parameter photometer. The stored measured values can then be read out, for example, via a mobile device via the Bluetooth interface built into the multi-parameter photometer. A free app is available to analyze the measured values from the multi-parameter photometer. It is also possible to establish a Bluetooth connection between the multi-parameter photometer and a computer. Free software is also available for this, with which the measurement data can be analyzed. As another special feature of the multi-parameter photometer, the measurement data can be uploaded to a cloud using both variants and accessed from anywhere. This service for the multi-parameter photometer is also free of charge.

- ▶ Up to 5 selectable parameters
- ▶ Bluetooth connection with app
- ▶ Exchangeable and lockable cuvette
- ▶ 503 nm / 570 nm / 620 nm LED
- ▶ Automatic shutdown when inactive
- ▶ Many different menu languages
- ▶ Light detector: photodiode
- ▶ Cuvette: 36 x ø 21 mm / 3.6 x ø 2.1 cm (10 ml)

# Specifications

## Alkalinity

Measuring range      0... 30 mg / l  
                                 30... 60 mg / l  
                                 60... 100 mg / l  
                                 100... 200 mg / l

Accuracy                3 mg / l  
                                 7 mg / l  
                                 12 mg / l  
                                 18 mg / l

Resolution             1 mg / l

## pH

Measuring range      6.50 ... 8.40 pH  
Accuracy                0.11 pH  
Resolution             0.01 pH

## Total hardness

Measuring range      0... 30 mg / l  
                                 30... 60 mg / l  
                                 60... 100 mg / l  
                                 100... 200 mg / l  
                                 200 ... 300 mg / l  
                                 300 ... 500 mg / l

Accuracy                3 mg / l  
                                 5 mg / l  
                                 10 mg / l  
                                 17 mg / l  
                                 22 mg / l  
                                 58 mg / l

Resolution             1 mg / l

## Calcium hardness

Measuring range      0... 25 mg / l  
                                 25... 100 mg / l  
                                 100 ... 300 mg / l  
                                 300 ... 500 mg / l

Accuracy                8 mg / l  
                                 22 mg / l  
                                 34 mg / l  
                                 45 mg / l

Resolution             1 mg / l

# More information

Manual



More product info



Similar products



Subject to change

## Further specification

Hardness units	mg/l CaCO <sub>3</sub> , ppm, mmol/l KS 4.3, °dH (degree of German hardness), °e (degree English hardness / Degree Clark), °f (degree of French hardness)
Calibration	Zero point calibration
Light source	503 nm / 570 nm / 620 nm LED
Light detector	Photodiode
Power supply	4 x 1.5V AA batteries
Dimensions of the cuvette	36 x ø 21 mm / 3.6 x ø 2.1 cm (10 ml)
Menu languages	English, German, French, Spanish and Italian
Storage	Automatic storage of measured values and readout
Storage space	256 values
Interface	Bluetooth connection with app and PC software
Automatic shutdown	After 300 seconds of inactivity
Operating conditions	5... 45 °C, 20 ... 90% RH non-condensing
Storage conditions	5... 45 °C, 20 ... 90% RH non-condensing
Dimensions	165 x 95 x 50 mm / 6.5 x 3.7 x 2 in
Weight	230 g / 8.1 oz

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