



pH Meter PCE-CP 22



Multi-parameter pH meter with Bluetooth interface / PC software / Cloud service / Cross-system synchronization of measured values / Up to 13 selectable parameters / For measuring e.g. pH, alkalinity, chlorine, cyanuric acid / Storage of measured values

The multi-parameter pH meter 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 pH meter. 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 13 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)

Subject to change

Specifications

pH

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

Iron

| | |
|-----------------|--------------------|
| Measuring range | 0.00 ... 0.20 mg/l |
| | 0.20 ... 0.60 mg/l |
| | 0.60 ... 1.00 mg/l |
| Accuracy | 0.02 mg/l |
| | 0.04 mg/l |
| | 0.08 mg/l |
| Resolution | 0.01 mg/l |

Urea

| | |
|-----------------|--------------------|
| Measuring range | 0.00 ... 0.30 mg/l |
| | 0.30 ... 0.60 mg/l |
| | 0.60 ... 1.00 mg/l |
| | 1.00 ... 1.50 mg/l |
| | 1.50 ... 2.50 mg/l |
| Accuracy | 0.05 mg/l |
| | 0.06 mg/l |
| | 0.09 mg/l |
| | 0.12 mg/l |
| | 0.19 mg/l |
| Resolution | 0.01 mg/l |

Nitrite

| | |
|-----------------|--------------------|
| Measuring range | 0.00 ... 0.25 mg/l |
| | 0.25 ... 0.40 mg/l |
| | 0.40 ... 1.30 mg/l |
| | 1.30 ... 1.64 mg/l |
| Accuracy | 0.02 mg/l |
| | 0.06 mg/l |
| | 0.09 mg/l |
| | 0.12 mg/l |
| Resolution | 0.01 mg/l |

Nitrate

| | |
|-----------------|----------------|
| Measuring range | 0 ... 20 mg/l |
| | 20 ... 40 mg/l |
| | 40 ... 60 mg/l |

More information

Manual



More product info



Similar products



Subject to change

Accuracy 2 mg/l
4 mg/l
6 mg/l
10 mg/l

Resolution 1 mg/l

Phosphate

Measuring range 0.00 ... 0.40 mg/l
0.40 ... 1.20 mg/l
1.20 ... 2.00 mg/l

Accuracy 0.04 mg/l
0.12 mg/l
0.20 mg/l

Resolution 0.01 mg/l

Ammonia

Measuring range 0.00 ... 0.12 mg/l
0.12 ... 0.25 mg/l
0.25 ... 0.57 mg/l
0.57 ... 1.21 mg/l

Accuracy 0.02 mg/l
0.04 mg/l
0.06 mg/l
0.09 mg/l

Resolution 0.01 mg/l

Copper

Measuring range 0.00 ... 2.00 mg/l
2.00 ... 3.00 mg/l
3.00 ... 5.00 mg/l

Accuracy 0.20 mg/l
0.31 mg/l
0.44 mg/l

Resolution 0.01 mg/l

Potassium

Measuring range 0.8 ... 3.0 mg/l
3.0 ... 7.0 mg/l
7.0 ... 10.0 mg/l
10.0 ... 12.0 mg/l

Subject to change

| | |
|------------|----------|
| Accuracy | 0.3 mg/l |
| | 0.4 mg/l |
| | 0.5 mg/l |
| | 1 mg/l |
| Resolution | 0.1 mg/l |

Further specification

| | |
|---------------------------|--|
| Units | mg/l, ppm |
| 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 |

Subject to change