



Environmental Meter PCE-PH 25



Environmental meter PCE-PH 25

pH meter for determining the pH value, the conductivity, the filtrate dry residue / Display of salinity / Determination of sample temperature / IP67 protected ABS housing / Measurement data memory for 50 data sets

The **environmental meter** provides the user with comprehensive measurement applications. In addition to determining the pH value, the pH meter also shows the conductivity, the filtrate dry residue, the salinity and the temperature of the sample. The **environmental meter** is a measuring instrument for mobile measurement. In order to facilitate the most comfortable transport, the **environmental meter** is supplied with a practical belt clip into which the measuring instrument can be inserted. In contrast to a normal pH meter, there are many possibilities to perform a liquid analysis.

The scope of application ranges from the diagnosis of private aquariums to the examination of water bodies or swimming pools. The measured values can be read directly on the display. In addition, these measured values can be stored directly on the internal measured value memory via the function keys.

- **Robust ABS housing (IP67)**
- **Measurement data memory for 50 data sets**
- **Mobile measuring instrument**
- **HOLD function**
- **Self-calibration possible**
- **Display of salinity and conductivity**

Specifications:

Measuring range	0.00 ... 14.00 pH
Resolution	0.01 pH
Measurement accuracy	± 0.01 pH
Buffer detection pH measurement	pH 7.00, 4.01, 10.01 or pH 6.86, 4.00, 9.18
Temperature compensation pH measurement	Automatically -5 ... 60°C / 23 ... 140°F
Buffer detection Temperature measuring range	0.0 ... 60.0°C
Offset detection pH electrode	± 100 mV at pH 7.00 + 91.7 mV / -108.7 mV at pH 6.86
Slope pH electrode	± 30% at pH 4.00, 4.01, 9.18, and 10.01
Input resistance	> 1012 Ω

Environmental meter: Technical data Conductivity

Measuring range	0 μ S / cm ... 20 mS / cm
Resolution	Minimum 1 μ S / cm
Measurement accuracy	\pm 1% of the measured value
Reference temperature	15.0 ... 25.0°C / 59 ... 77°F
Temperature coefficient	0.00 ... 4.00%

Environmental meter: Technical data TDS

Measuring range	0 mg / l ... 20.00 g / l
Resolution	at least 1 mg / l
Measurement accuracy	\pm 1% of the measured value
Constant	0.30 ... 1.00

Environmental meter: Specifications Salinity

measuring range	0.0 ... 10.0 ppt
resolution	0.1 ppt
measurement accuracy	\pm 1% of the measured value

Environmental meter: Technical data Temperature

Measuring range	-5.0 ... 60°C / 23 ... 140°F
Resolution	-5.0 ... 60°C: 0.1°C / 23 ... 140°F: 0.18°F
Measurement accuracy	-5.0 ... 60°C: \pm 0.5°C / 23 ... 140°F: \pm 0.9°C
Temperature sensor	Thermistor, 10 k Ω at 25°C / 77°F
unit	°C or °F

General technical data of the Environmental meter

Power supply	4 x LR44 battery
Automatic shutdown	after about 10 minutes of inactivity
Capacity Datalogger	50 records

Ambient temperature	0.0 ... 50.0°C / 32 ... 122°F
Ambient humidity	< 95% rh
Casing	ABS, IP67
Dimensions	44 x 200 x 25 mm / 1.7 x 7.9 x 1 in
Weight	110 g / < 1 lb

Delivery Scope

- 1 x Environmental meter PCE-PH 25
- 4 x LR44 battery
- 1 x Belt clip
- 1 x Protective cap
- 1 x User manual