

ENVIRONMENTAL METER

PCE-PH 228-ICA



- » Fast, precise pH and temperature measurement
- » Redox measurement (with optional electrode)
- » GLP data management
- » Easy 2, 3, 4, and 5-point calibration
- » Calibration reminder
- » Permanent Measurement Verification (PMV)
- » Graphical display of measurement history
- » Data logger
- » incl. ISO-Calibration Certificate

The advanced environmental meter stands for precision, user-friendliness, and GLP compliance (Good Laboratory Practice). With a high-resolution LCD display, the environmental meter provides a clear and concise presentation of measurement values. GLP compliance is ensured through automatic data recording and traceable documentation. It allows measurement of pH or redox value and temperature with external sensors. A Permanent Measurement Verification (PMV) indicates to the operator, using a color bar, where the measurement value is located within the calibration range, providing insight into whether the measurement is in the correct range. The graphically guided calibration makes the process simple and user-friendly. User and sample management enable easy navigation and adjustment of measurement parameters on the environmental meter. Sample information can be stored to facilitate the management and identification of measurements.

Specification

pH	
Measuring range	-2 ... +20 pH
Resolution	0,001 pH
Accuracy	±0.002 pH +2 digits
Redox	
Measuring range	-2000 ... +2000 mV
Resolution	1 mV
Accuracy	±2 mV
Temperature sensor	
Measuring range	-20 ... +100 °C
Resolution	0,1 °C
Accuracy	±0.5°C (@ 20°C)
Electrode	
Designation	PE-03
Measuring range	1 ... 13 pH
Temperature range	5 ... 60 °C
Application	Aqueous non-corrosive media
Reference electrolyte	Ag/AgCl
Shank material	Epoxy resin
Shank length	160 mm
Shank diameter	12 mm
Cable length	1 m

General technical data	
Measuring functions	MIN, MAX
Display type	LCD with backlight
Storage medium	Internal memory
Storage capacity	32 GB
Memory capacity (additional information)	100 recordings with a maximum of 100,000 data points per recording
Storage interval from	1 s
Storage interval to	12 h
Interface	USB-C
Number of calibration points	5
Menu language	Turkish, English, Polish, Spanish, German, Chinese, Russian, Japanese, French, Danish, Italian, Dutch, Portuguese
Protection class (device)	IP52
Power supply	5 V DC, 500 mA
(Rechargeable) battery	1 x 3,7 V LP785060 , Lithium polymer battery
Capacity	2500 mAh
Performance	9,25
Operating conditions	-20 ... 65 °C , 10 ... 95 % RH
Storage conditions	-20 ... 65 °C , 10 ... 95 % RH
Dimensions (L x W x H)	178 x 85 x 32 mm
Weight	252 g