PH METER

PCE-PHC 10



- **Small dimensions**
- **Large LED display**
- **2 control relays for pH and temperature**
- **Connection via BNC and screw contacts**
- **For water treatment, electroplating ...**
- **3-point calibration**

The pH process controller PCE-PHC 10 measures and regulates the pH of various substances and is able to influence the pH value. The pH process controller is a classic 2-point controller, depending on the application, the controller can be used to influence the liquid in the direction of alkaline or acidic. The limit values for the 2-point control are programmed via the buttons of the pH controller, which are located on the front. Also in the front is the LED display, on which the current measured value can be read at any time. This facilitates the fast and precise control of the water values, especially in the industrial process.

A pH electrode is connected to the pH controller via BNC plug. The screw connections can be used to connect a temperature probe for automatic temperature compensation to the pH process controller. The pH controller finds its application in electroplating, the control of fresh and wastewater or in the wastewater neutralization. Due to the compact dimensions, the pH controller fits in every control panel.

Specification

pH	
Measuring range	0 ... 14 pH
Resolution	0,01 pH
Accuracy	±(0.02 pH +2 digits)

General technical data	
Outputs	Closing relay: 250V AC / 0.5 | 24V DC / 0.5 A Voltage output: 12V / 0.05 A DC
Temperature compensation	- Manual: -30 to 100°C / –22 to 212°F - Automatic: 0 to 65°C / 32 to 149°F
Display type	LED
Digit size [WxH]	H: 14 mm
Interface	RS232
Number of calibration points	3
Calibration	Automatic calibration point recognition with pH buffer solutions 4.00 / 7.00 / 10.00
Measuring interval	1 s
Input impedance	1 TΩ
Protection class (device)	IP20
Power supply	90 ... 260V AC | 50/60 Hz
Operating conditions	0 ... 50 °C , 0 ... 80 % RH
Storage conditions	0 ... 50 °C , 0 ... 80 % RH
Dimensions (L x W x H)	96 x 48 x 107 mm
Weight	275 g

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