

pH CONTROLLER CP-421

CP-421 is a simple and accurate stationary device used for continuous pH and temperature measurements in clear water or sewage.

The controller is available in three versions:

1. Equipped with two relays to control valves and signalisation system.
2. Equipped with 0 ÷ 20 mA current loop.
3. Equipped with RS-232 output with a software to collect the data on a PC. Optionally, the connection may be made by USB output with use of RS-232 – USB converter (additional equipment).

Characteristic features:

- The meter is equipped with LCD backlit display.
- The device has an automatic temperature compensation system.
- The device enables 3-point calibration of the pH electrode in buffer solutions of values: 4,00, 7,00 9,00 pH or 4,00, 7,00, 10,00 pH (optionally).
- Automatic detection of the buffers' values.
- It is possible to calibrate it without the need of disconnecting the outputs.
- Powered by 12 V adapter.
- Equipped with a hanger for mounting on a wall.



Depending on working conditions, the appropriate type of pH electrode may be chosen and built-in the flow or immersible head.

In case, when the distance between the electrode and the controller exceeds 10 m, it is necessary to use an additional preamplifier mounted inside the immersible head or next to the flow head.

TECHNICAL DATA

Function	pH	Temperature
Range	0.00 , 14.00 pH	-50.0 , 199.9 °C
Resolution	0.01pH	0.1 °C
Accuracy (1 digit)	±0.01pH*	±0.1 °C**
Temp. compensation range	-5 , 110 °C	-
Input impedance	>10 ¹² W	-
Relay's parameters	2A/250VAC/30VDC	
Isolation class	according to PN-83/T-06500	
Radio electric interference	N level	
Power supply	12 V / 100 mA power adapter	
Weight	210 g	
Dimensions (mm)	L=149, W=82, H=22	

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