

REDOX CONTROLLER CR-421

CR-421 is a simple and accurate stationary device used for continuous redox potential and temperature measurements in clear water or sewage. Depending of working conditions use the flow or immersible heads with appropriate type of built-in redox electrodes.

The controller is available in three versions:

1. Equipped with two relays for controlling the valves and signalisation system.
2. Equipped with 0 ÷ 20 mA or 4 ÷ 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).

- High accuracy at an affordable price.
- The meter is equipped with backlit LCD.
- Periodically, the sensor should be manually cleaned.
- Powered by 12 V adapter.
- Quick warranty and after-warranty repair service.

CR-421 is equipped with a hanger to be mounted on a wall.

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



TECHNICAL DATA

Function	Redox	Temperature
Range	0.00 ÷ 1999 mV	-50.0 ÷ 199.9 °C
Resolution	1mV	0.1 °C
Accuracy (± 1 digit)	±1mV*	±0.1 °C**
Input impedance	10 ¹² Ω	-
Relay's parameters	2A/250VAC/30VDC	
Radio electric interference	N level	
Power supply	12 V / 100 mA power adapter	
Weight	210 g	
Dimensions (mm)	L=149, W=82, H=22	

*The accuracy of the meter only.

**The accuracy of the meter only. The total error includes the meters and probe's accuracy. In the range 0 ÷ 100 °C the acceptable error of the probe with Pt-1000B resistor: ±0.8 °C, with Pt-1000A resistor: ±0.35 °C.

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