

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 two 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.

- 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 for mounting 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.

The meter enables storing of 8000 results. The built-in memory allows you to remember the results with a set time interval: the shortest 1 minute, and the next possibilities: 2, 5, 10, 15, 30, 60 minutes. When the memory is full, the oldest result is deleted and a new one is added. The results can be transferred to a computer via USB. The delivered in the set computer software allows to transfer the results of the measured function and temperature with the date and time of recording.



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	
Memory	8000 data sets collected with chosen time interval	
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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