TEMPERATURE CONTROLLER PT-421

PT-421 is a device used for air or water temperature continuous measurements.
Enables the temperature regulation with use of relays (maximum and minimum).

The controller is available in two versions:
1. Equipped with two relays to control valves or signalisation system.
2. Equipped with 0 ÷ 20 mA or 4 ÷ 20 mA current loop.

The controller cooperates with PT-1000s platinum resistor temperature probe of higher accuracy, build in a steel pipe of 3 mm diameter.
Probe and cable length to be determined by the customer (standard: 5 m).
Recommended types of cables: silicone, resistant to temperature up to 250°C, with additional protection (steel braid).
It is possible to calibrate the meter by entering the probe's data.
The meter is equipped with a large, easy-to-read backlit LCD display.
PT-421 is equipped with a hanger for mounting on a wall .
24 months of warranty.

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

Range	-70.0 ÷ 400 °C	
Resolution	In range -70 ÷ 199.9 °C: 0.1 °C, above 199.9 °C : 1 °C	
Accuracy*	**Range**	**Pt-1000s sensor**
	-70 ÷ 0.0 °C	±0.9 °C
	0.0 ÷ 99.9 °C	**±0.3** °C
	100.0 ÷ 199.9 °C	±1.5 °C
	200 ÷ 400 °C	±3.0 °C
Weight / Dimensions	180 g / L = 149, W = 82, H = 22	
Memory	8000 data sets collected with chosen time interval	
Power supply	12 V / 100 mA power adapter	
Relays' parameters	2A/250VAC/30VDC	
Isolation class	according to PN-83/T-06500	
Radio-electric interference	N level	
Temperature sensor	Pt-1000S	