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The thermocouple-transducer LAN
Nano TC Sensor

Application

- ✓ remote reading from thermocouple
- ✓ temperature measurement
- ✓ for thermocouples: E, J, K, N, T
- ✓ control of industrial processes
- ✓ cooperation with PLC controllers

Characteristic

- Supported thermocouple sensors E, J, K, N, T and RTD Sensors PT100 and PT1000
- Reference temperature from PT100 / PT1000 sensors or constant value
- Communication via LAN and RS485 (Modbus RTU)
- Clear LED display
- Low and High alarms
- Supported protocols: HTTP GET, Modbus TCP, Modbus RTU, SNMP, MQTT
- Built-in web server
- PoE supply
- Autonomous communication with the LAN relay module (e.g. LANtick, Nano Output)

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Technical data

Supply voltage	POE IEEE 802.3af, 10-24VDC (screw connection)
Power consumption	max: 1.5W
Display	7-segment LED, red
Housing	IP30
Operating environment	-10°C to +55°C
Dimensions	27 (H) x 74.6 (W) x 50.1 (L) mm
Weight	60g

Communication

1 Ethernet port	up to 10Mbps, PoE IEEE802.3af
1 RS485 port	Modbus RTU protocol transmission: 1,200,2400,4800,9600,19200,38400,57600 bps parity: None, Odd, Even, Mark, Space, 2 Stops

Inputs

1 input for RTD sensor connection	PT100 or PT1000 sensor to determine reference junction: connector No. 1 and No. 4
1 input for thermocouple connection	supported thermocouples: E, J, K, N, T: connector No. 2 and No. 3

We also recommend:

Nano Analog PoE
ADC LAN converter

Nano Relay Output PoE
relay control module via LAN

Nano TC Sensor
entirely designed and made by a Polish company
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