NANO
TC Sensor



Applications:

- Monitoring temperature by the use of a thermocouple and a PT100/PT1000 sensor
- Remote parameter monitoring - the device can send an exceeded threshold notification to other Inveo devices, enabling remote control of devices depending on measured values

Characteristics:

- Selection of reference temperature source: RTD sensor or internal value.
- 7 segment red LED display, on which the measured RTD or thermocouple temperature values can be presented.
- Converts the measured value to specified units with the use of the automatic conversion function.
- LAN or RS-485 (Modbus RTU) communication.
- Built-in webpage and HTTP GET, Modbus TCP, Modbus RTU, SNMP, MQTT, TCP communication protocols support.

Technical characteristics

Power supply	PoE: 33-57V IEEE 802.3af	DC: 12-24V, 3,5mm screw terminal
Power consumption	Max. 1,5W	
Inputs	Measurement frequency: 4Hz	Converter resolution: 17bit
	1 input for connecting a type E, J, K, N, T, B, R, S thermocouple sensor	
	1 input for PT100 or PT1000 sensor connection to get a reference temperature (the reference temperature can be software-defined as a constant value)	
Communication	Ethernet 10/100Mbps, RJ45 port	RS-485 port, Modbus RTU
	Parity: None, Odd, Even, Mark, Space, 2 Stops	Transmission speed: 1200-57600bps
Enclosure	IP rating: IP30	
Operating temperature	From -10°C to +55°C	

Version	Catalogue number
Nano TC Sensor	NN-0001-08D4-00