

# Sensor for Two Pt1000 Temperature Probes, Ethernet Output and PoE

code: TA4621



The TA4621 model is a compact Ethernet sensor designed for precise temperature measurement using two external Pt1000 probes. This type offers two independent inputs with an optimized measuring range of -200 °C to +260 °C and an accuracy of  $\pm 0.2$  °C. Probe connections are realized via practical CINCH connectors, allowing one device to monitor temperature differences or two separate locations simultaneously.

The device features a backlit LCD display, complete alarm signaling (LED and acoustic), and PoE support. Significant features include inter-channel calculations and software compensation for probe cable error.

This makes the TA4621 ideal for demanding industrial processes, monitoring two freezers at once, or installation into superior systems.

## Main Benefits:

- 2x Pt1000 input for simultaneous precise temperature measurement
- Ability to monitor temperature differences
- Extreme temperature measuring range from -200 °C
- Backlit LCD display, acoustic and LED alarm signaling
- Power supply 5-24 V or PoE
- Integrated backup memory
- Modern web interface, IPv4/IPv6 support, Modbus TCP, COMET Cloud, and fully encrypted communication (HTTPS, SNMPv3, TLS)
- Integrated detachable bracket for easy installation

## Technical data

|                                            |                                                                                      |
|--------------------------------------------|--------------------------------------------------------------------------------------|
| TEMPERATURE SENSOR – external Pt1000 probe |                                                                                      |
| Measuring range                            | -200 to +260 °C                                                                      |
| Accuracy                                   | $\pm 0.2$ °C (-200 to +100 °C), $\pm 0.2\%$ of reading (+100 to +260 °C)             |
| Resolution                                 | 0.1 °C                                                                               |
| GENERAL TECHNICAL DATA                     |                                                                                      |
| Operating temperature range                | -30 to +60 °C                                                                        |
| Measurement channels                       | 2x external Pt1000 temperature probe; CINCH connector                                |
| Supported temperature units                | degrees Celsius (°C), degrees Fahrenheit (°F)                                        |
| Power supply                               | Power over Ethernet (IEEE 802.3af) or 5-24 V DC                                      |
| Network interface                          | Ethernet                                                                             |
| IP support                                 | IPv4, IPv6                                                                           |
| Communication protocols                    | HTTP(s), Web server (WWW), HTTP GET (JSON, XML), Modbus TCP, SNMPv1, SNMPv2c, SNMPv3 |
| Alarm protocols                            | Email (SMTP), Syslog                                                                 |
| Measurement interval                       | 1 s                                                                                  |
| Ingress protection (IP rating)             | IP30 (electronics)                                                                   |

|            |                                            |
|------------|--------------------------------------------|
| Dimensions | 116 × 85 × 42 mm (without connected probe) |
| Weight     | 240 g                                      |
| Warranty   | 3 years                                    |