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 ±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:

- 2× Pt1000 input for simultaneous precise temperature measurement
- Ability to monitor temperature differences
- Extreme temperature measuring range from -200 °C up to +600°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 Optional range extension to -200 to +600 °C at an additional cost
Accuracy	±0.2 °C in the range below +100 °C; ±0.2% of the measured value in the range above +100 °C
Resolution	0.1 °C
GENERAL TECHNICAL DATA	
Operating temperature range	-30 to +60 °C
Measurement channels	2× 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