Sensor for One Pt1000 Temperature Probe, Ethernet Output and PoE



code: TA4611

The TA4611 model is a compact Ethernet sensor designed for precise temperature measurement using an external Pt1000 probe.
The sensor offers an optimized measuring range of -200 °C to +600 °C with an accuracy of ±0.2 °C, ensuring maximum stability in key segments. Probe connection is realized via a practical CINCH connector for easy installation.

The device features a backlit LCD display, complete alarm signaling (LED and acoustic), and PoE support. A significant feature is the software compensation of probe cable error directly via the web interface.

This makes the TA4611 ideal for demanding industrial processes, freezers, dryers, or installation into superior systems.

Main Benefits:

- Precise temperature measurement using Pt1000 probe
- 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	1× 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