

Data sheet:

## Web-Thermograph Pt100 / Pt1000



Article no.: 57615

This article has been replaced by the expanded successor model [Web Thermometer Pt100 / Pt1000](#).

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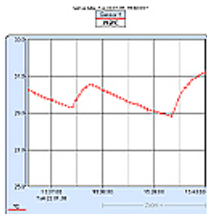
Monitor and graphically display temperatures

Example application: <http://klima.wut.de>

## Properties

### General information

- **Supply voltage via Power-over-Ethernet (PoE)**
  - Phantom power using data pairs
  - Power over unused wire pairs
  - Alternate external supply possible
- **NEW! Encrypted e-mail sending via SSL/TLS**
- **NEW! Device language selectable German/English**



- Freely selectable line color
- Freely selectable display size
- Extreme value or current value display
- Various scales displayed
- Automatic or manual scaling
- **Monitor temperatures and curves with your browser**
  - HTML page design user-variable
  - Direct access to current temperature value, e.g., for integration into other Web pages
- **SNMP temperature polling /Alarm traps** for incorporating into your existing SNMP management system
- **A new measurement is available every 4 seconds!**
- **Time synchronization using time server calibration**
- **E-mail for alarm or reporting functions**
- **Adapters:**
  - 10/100MBit
  - Pt100 sensor included
- **Easy Start:**
  - Connect sensor and network cable
  - Connect supply voltage
  - Assign IP number
  - That's it!
- **Application examples:**
  - Monitor temperatures in the server room, network cabinet or office
  - Direct display of multiple measuring points in the browser via Java applet
  - Send alarms when limits are exceeded via e-mail, SNMP trap, TCP client, Syslog
  - Logging of the measured values via FTP, Excel file, e-mail attachment, internal memory
- **Software interfaces**

- o HTTP, Web browser
- o AJAX, JavaScript and Java applet
- o TCP and UDP sockets, client and server
- o OPC server
- o SMTP (e-mail)
- o SNMP (including trap)
- o SYSLOG
- o FTP (data logging)
- **Green IT:** Monitor efficiency of the server room climate control
- **Conforms to standards both in office and industrial environments:**
  - o High noise resistance for industrial environments
  - o Low noise emission for residential and business areas
- **5 year guarantee**

### Background information:

Like all the Web-IO Climate series models, the Web-Thermograph Pt100 / Pt 1000 57615 offers everything you need for connecting a temperature sensor to the computer network. In addition, the power can be provided per IEEE 802.3af (**Power-over-Ethernet**) over the network cable, with both phantom power over the data pairs as well as power using the wire pairs not used for 10/100BT. Problems with outlets, country-specific plug types, various AC voltages etc. are now a thing of the past.

For cases in which PoE is planned but not yet fully implemented, it is also possible to provide power using an external power supply and screw terminals.

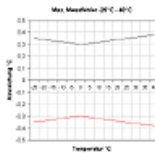
## Technical data

Temperature sensor: Pt100/Pt1000 connection  
 Network: 10/100BaseT autosensing  
 IPv6 on request  
 Supply voltage: Power-over-Ethernet (PoE) or via screw terminal with DC 18V .. 48V (+/-10%) or AC 18Veff .. 30Veff (+/-10%)

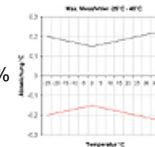
### Measuring unit

Sensor: Pt100/Pt1000 connection, 2-, 3- or 4-wire  
 Measuring range: W&T sensor: -50°C...180°C  
 PT100/PT1000 measuring input: -200°C...650°C  
 Resolution: 1/10°C  
 Maximum measuring error:

Measuring unit ±0.3°C, ±0.2%



PT100/1000 Sensor Class A ±0.15°C, ±0.2%



Storage frequency: 1, 5, 15, 60 min  
 Memory depth (832k): min. 14 weeks, max. 16 years  
 Deviation of the internal clock: max. 4.32 min. / month (without time server calibration)  
 max. 3 sec. (with time server calibration)

### Other data

Measuring frequency: 4 seconds  
 Electrical isolation: Measurement inputs to network: min. 500V  
 E-mail function: Mail for sending alarms or as reporting function  
 Supply voltage: Power-over-Ethernet (PoE) or via screw terminal with DC 18V .. 48V (+/-10%) or AC 18Veff .. 30Veff (+/-10%)  
 Current consumption: AVG: 80mA @24VDC, 100mA @20VAC  
 Max: 90mA @24VDC, 50mA @48VDC  
 PoE Class 1 (0.44 - 3.84W)  
 Configuration interface: RS232 serial port, 9600 baud, 8 data bits, 1 stop bit, no parity  
 Housing: Plastic compact housing, 105x75x22mm  
 Weight: approx. 200g  
 Ambient storage temperature: -40..+70°C  
 Ambient operating temperature: 0 .. +60°C  
 Scope of delivery: 1x Web-Thermograph for top-hat rail mount  
 1x Pt100 sensor



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