

Data sheet:

Web-Thermograph 2x



Article no.: 57607

This article has been replaced by the expanded successor model [Web Thermometer 2x](#).

FAQs
Applications
Firmware
Tools
Manual
Product overview

Measure, log and report...

The Web-Thermograph 2x is an instrument that measures [two temperatures](#) and makes the values available in the network. The device includes an integrated data logger and numerous Web and network services for manual querying of the measurements or provides autonomous sending of messages.

Properties

Sensor:

- **Two temperature inputs Pt100/Pt1000:**
 - Measuring range of W&T probe: -50°C...180°C
 - Measuring input: -200°C...650°C

Connectivity:

- **Monitor temperatures and curves with your browser**
- **Alarm and reporting function:**
 - E mail for alarm or as reporting function
 - SNMP polling / alarm traps
 - Up to 8 alarm messages can be configured
- **Dynamic integration into other Web sites:**
 - Direct access to current measurement values via AJAX, JavaScript and Java applet
- **Additional software interfaces for incorporating into your systems/databases:**
 - OPC server
 - Syslog
 - Sensobase (database integration via ODBC)
 - TCP and UDP sockets, client and server
 - FTP (data logging)
- **Possible applications:**
 - Monitor temperatures in the server room, network cabinet or office
 - Direct display of multiple measuring points in the browser via Java applet
 - Logging of measurements via FTP, Excel file, email attachment and internal memory
 - Green IT: Monitor efficiency of the server room climate control

Data logger:

- **Internal data logger**
 - Memory size: min. 4 weeks, max. 8 years
 - Save frequency: 1, 5, 15, 60 min
- **Document measurement data online in the [W&T Cloud](#) and access from anywhere in the world**
- **Internal clock**
 - Time synchronization via time server calibration
 - Battery-backed device clock

Standards & more

- optional: **ISO factory calibration** per DIN EN ISO/IEC 17025
 - with calibration certificate for verified documentation of the measured value deviations
 - Valid for 12 months
- optional: **DAkKS/DKD calibration** per DIN EN ISO/IEC 17025
 - with calibration certificate for verified traceability to national standards
 - Valid for 12 months
- **Supply voltage via Power-over-Ethernet (PoE)**
 - Phantom power using data pairs

- o Power over unused wire pairs
- o External power supply is an alternative
- **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**

♥ Wish for something!
Your suggestions for improvement and additions

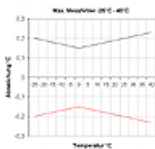
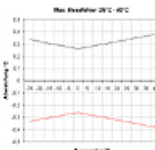
Technical data

Connections and displays:

Temperature sensor:	2x Pt100/Pt1000 input via screw terminal Cable length for W&T probe: 2m (can be extended as needed)
Network:	10/100BaseT autosensing IPv6 on request
Galvanic isolation:	Signal inputs to network: min. 500 volts
Supply voltage:	DC 12V (-5%) - 34V (+5%) AC 9Veff (-5%) - 24Veff (+5%) DC 48V (+10%) on request
Current consumption:	typ. 200mA @12VDC, 100mA @24VDC, 100mA @20VAC max. 240mA @12VDC
Displays:	1 LED Power 4 LEDs Status and Error

Measuring unit:

Sensor:	2x PT1000, and PT100 connection, 2-,3- or 4-conductor
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	±0,26°C, ±0,3%
PT100/1000 Sensor Class A	±0.15°C, ±0.2%
Measuring frequency:	Measurement every 4 sec. / 15 measurements per min.
Storage frequency:	1, 5, 15, 60 min
Memory depth (832k):	min. 4 weeks, max. 8 years
Deviation of the internal clock:	max. 1 min. / month



Housing and other data:

Housing:	Compact plastic housing, 106.8mm x 87.8mm x 62.6mm (l x w x h)
Enclosure rating:	IP20
Weight:	approx. 200g
Ambient storage temperature:	-40..+70°C
Ambient operating temperature:	0 .. +60°C
Scope of delivery:	1x Web-Thermograph 2x for top-hat rail mount 1x PT100 sensor

Please order power supplies separately as accessories

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