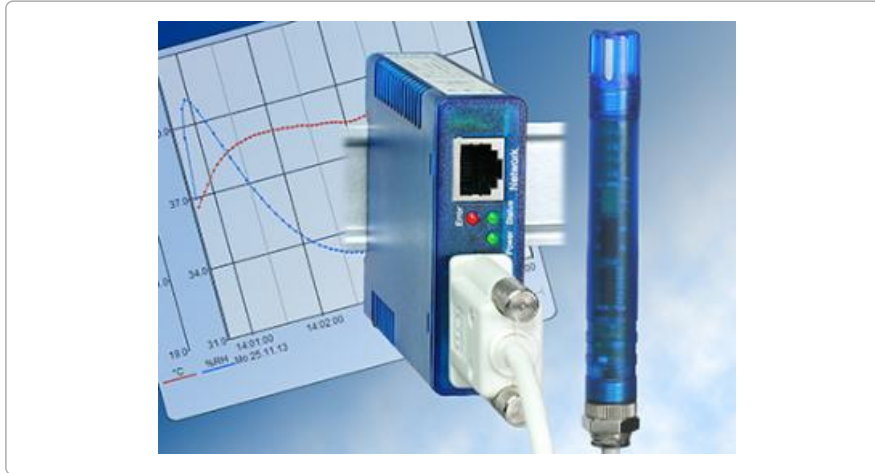


Data sheet:

Web-Thermo-Hygrograph



Article no.: 57620


This article has been replaced by the expanded successor model [Web-Thermo-Hygrometer](#).

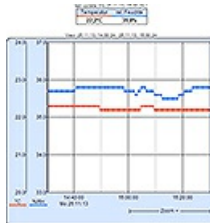
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Temperatures and relative humidity to the Power-over-Ethernet network

Properties

General information

- **NEW! Encrypted e-mail sending via SSL/TLS**
- **NEW!**  Document measurement data online in the **W&T Measurement Cloud**
- **NEW! Device language selectable German/English**
- **Monitor temperatures and curves with your browser**
 - HTML page design user-variable
 - Direct access to the actual value, e.g., for integration into other Web pages



- Freely selectable line color
- Freely selectable display size
- Extreme value or current value display
- Various scales displayed
- Automatic or manual scaling
- **SNMP polling / alarm traps** for temperature and relative humidity values for incorporating into your existing SNMP management system
- **Time synchronization via time server calibration**
- **Supply voltage via Power-over-Ethernet (PoE)**
 - Phantom power using data pairs
 - Power over unused wire pairs
 - Alternate external supply possible
- **Connections:**
 - 10/100MBit
 - Combined temperature-humidity 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
 - 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
 - Dewpoint measurement
 - Climate monitoring
- **Software interfaces**

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

Background information:

Like all models in the Web-IO Climate series, the Web-Thermo-Hygrograph 57620 provides everything you need for connecting a temperature and relative humidity sensor to the computer network. In addition, the supply voltage, in accordance with IEEE 802.3af (**Power-over-Ethernet**) can be provided 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 receptacles, country-specific plug types, different line voltages etc. are 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

Thermo-Hygro Probe:	I2C connection
Network:	10/100BaseT autosensing IPv6 on request
Power supply:	Power-over-Ethernet (PoE) or via screw terminal with DC 18V .. 48V (+/-10%) or AC 18Veff .. 30Veff (+/-10%)
Measuring unit	
Measuring range:	-40°C...85°C, 0..100% rh
Resolution:	1/10 °C, 1/10% rh
Measuring error:	Temperature: typ. @ 25°C ±0.3°C max. @ -40..85°C ±1.5°C Relative humidity: typ. @ -20..60°C (normal range) ±1.8%rH (10-90%rH) max. @ -20..60°C (normal range) ±4%rH (0-100%rH) temporary @ -40..85°C (max range) +3%rH nach 60h Operation outside normal range Long-term stability typ. <0.5%rH / year
Measuring frequency:	4s
Storage frequency:	1, 5, 15, 60 min
Memory depth (832kB):	min. 10 weeks, max. 8 years
Deviation of the internal clock:	max. 4.32 min. / month (without time server calibration) max. 3 sec. (with time server calibration)
Other data	
Galvanic isolation:	Measurement inputs to network: min. 500 volts
E-mail function:	Mail for sending alarms or as reporting function
Power supply:	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
Permissible relative humidity:	0..95% RH (non-condensing)
Scope of delivery:	1x Web-Thermo-Hygrograph for rail mount 1x W&T transducer, 2m (temperature and humidity) 1x product CD with WuTility management tool, OPC server, programming examples for VB/Delphi, SNMP-MIB, reference manual in German/English



We are available to you in person:

Wiesemann & Theis
GmbH
Porschestr. 12
42279 Wuppertal
Phone: +49 202/2680-110 (Mon.-Fri. 8 a.m. to 5
p.m.)
Fax: +49 202/2680-265
info@wut.de

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