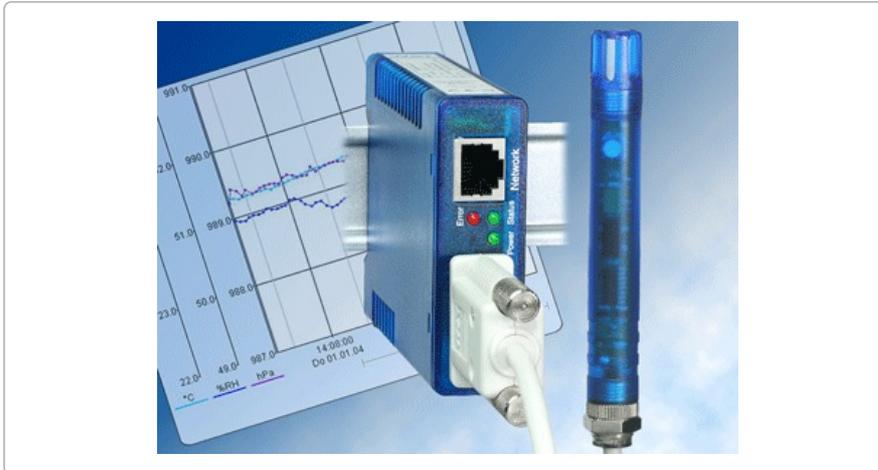


Data sheet:

Web-Thermo-Hygrobarograph



Article no.: 57613

This article has been replaced by the expanded successor model [Web-Thermo-Hygrobarometer](#).

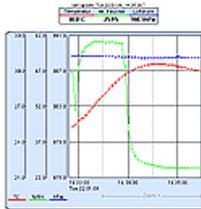
- Contact
- Product overview
- Manual
- Tools
- Firmware
- Applications
- FAQs

Monitor and display temperatures, relative humidity and air pressure

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 processes through a browser**
 - HTML page design user-variable
 - Direct access to the actual value, e.g., for integration into other Web pages
- **SNMP polling / Alarm traps** for temperature, relative humidity and air pressure values for incorporation into your existing SNMP management system
- **E-mail for alarm or reporting functions**
- **Time synchronization via time server calibration**
- **Adapters:**
 - 10/100MBit
 - Combined temperature-humidity-air pressure 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
 - Dew point measurement
 - Climate monitoring
- **Software interfaces**
 - HTTP, Web browser
 - AJAX, JavaScript and Java applet
 - 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-Hygrobarograph 57613 offers everything you need for connecting a temperature, relative humidity and barometric pressure sensor to the computer network. Furthermore the supply voltage, per 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 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

Thermo-Hygro Probe:	I2C connection
Air pressure probe:	SPI 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	
Measuring range:	-40°C...85°C, 0..100% rF, 10-1100 hPa
Resolution:	1/10 °C, 1/10% rF, 0.1 hPa
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 Atmospheric pressure: typ. @ 25°C ±0.8hPa (750..1100hPa) max. @ 25°C ±2.5hPa (750..1100hPa) max. @ -40..85°C: ±3.5hPa (300..1100hPa) Long-term stability: typ. -1hPa / 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. 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
Permissible relative humidity:	0..95% RH (non-condensing)
Scope of delivery:	1x Web-Thermo-Hygrobarograph for DIN rail mount 1x W&T sensor, 2m (temperature, relative humidity and barometric pressure) 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

© Wiesemann & Theis GmbH, subject to mistakes and changes: Since we can make mistakes, none of our statements should be applied without verification. Please let us know of any errors or misunderstandings you find so that we can become aware of and eliminate them.

[Data Privacy](#)