

Data sheet:

Web-Thermo-Hygrograph



Article no.: 57606

This article has been replaced by the expanded successor model [Web-Thermo-Hygrobarometer](#).

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Monitor temperatures and relative humidity and display them graphically

The Web-Thermo-Hygrograph is a measuring device which senses temperatures and humidity and provides the values over the network.

Properties

General information

- **Graphic display of the stored temperature values**
 - Display of a climatogram for alarm definition
 - Interactive display, user-scalable
 - Display of limit violations
 - Freely selectable line color
- **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
- **E-mail for alarm or reporting functions**
- **Adapters:**
 - 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
 - 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
 - Dewpoint measurement
 - Climate monitoring
- **Conforms to standards both in office and industrial environments:**
 - Increased noise immunity for industrial areas
 - Stricter noise emission for residential and commercial areas

Technical data

Temperature sensor:	PT1000 sensor / PT100 connection
Humidity sensor:	W&T sensor, Skalar 0-2.5V
Network:	10/100BaseT autosensing
Supply voltage:	12-24V AC / DC using screw terminal

Measuring unit

Sensor:	PT1000, PT100 connection, 2-, 3- or 4-conductor
Measuring range:	W&T Sensor: -40°C...85°C, 0..100% rh PT100/PT1000 measuring input: -200°C...650°C
Resolution:	1/10°C

Measuring error: $\pm 0.3^{\circ}\text{C}$, $\pm 2\%$ (PT100, PT1000) $\pm 2.5\%$ abs. $\pm 5\%$ rel. rF
Storage frequency: 1, 5, 15, 60 min
Memory depth (64k): min. 10 weeks, max. 12 years
Deviation of the internal clock: max. 4.32 min. / month
Long-term stability of W&T sensor: at 20-30 °C / 20-80% rel. humidity Drift: < 1.5 % / year

Other data

Galvanic isolation: Signal inputs to network: min. 500 volts
E-mail function: Mail for sending alarms or as reporting function
Supply voltage: DC 12V (-5%) - 34V (+5%)
AC 9Veff (-5%) - 24Veff (+5%)
DC 48V (+10%) on request
Current consumption: AVG: 200mA @12VDC, 100mA @24VDC, 100mA @20VAC
Max: 240mA @12VDC
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-Thermo-Hygrograph for rail mount
1x W&T sensor (temperature and humidity)
1x product CD with WuTility management tool, OPC server, programming
examples for VB/Delphi, SNMP-MIB, reference manual in German/English

Please order power supplies separately as accessories



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