W&T connects

Interfaces for TCP/IP, Ethernet, RS-232, RS-485, USB, 20mA,
glass and plastic fiber optic cable, http, SNMP, OPC, Modbus TCP, I/O digital, I/O analog, ISA, PCI

W&T
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Data sheet:

Web-Thermo-Hygrograph

Article no.: 57606

This article has been replaced by the expanded successor model Web-Thermo-Hygrometer.

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:**
  - High noise resistance per EN 61000-6-2
  - Low noise emission per EN 55032:2015 + A1 Cl. B, EN 61000-3-2 & EN 61000-3-3

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:	±0.3°C, ±2% (PT100, PT1000)) ±2.5% abs. ±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

W&T
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