

#### Sensor:

- **Two measurement inputs Pt100/Pt1000:**
  - Measuring input, each: -200°C...650°C
  - Measuring range with W&T probe (1x included): -50°C...180°C

#### Connectivity:

- **Intuitive Web interface** for simpler configuration
- **Monitor temperatures and trends from a browser**
- **Alarm and reporting function:**
  - E-mail for alarm or reporting functions
  - SNMP polling / alarm traps
  - Configure up to 12 alarm messages
- **Dynamic integration into other Web sites:**
  - Direct access to current measurement values, e.g. JavaScript (AJAX).
- **Current Industry 4.0 protocols:**
  - REST and [MQTT](#) support
- **Additional software interfaces for incorporating into your systems/databases:**
  - SNMPv1, SNMPv2c, SNMPv3
  - Modbus-TCP
  - 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 capacity: min. 16 weeks, max. 20 years
  - Save frequency: 15, 30 sec, 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
- Power over unused wire pairs
- External power supply is an alternative
- **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**

Wish for something!

[Your suggestions for improvement and additions](#)

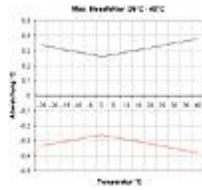
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#### Connections and displays:

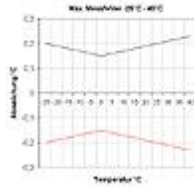
- Temperature sensor:
  - 2x Pt100/Pt1000 measuring input
  - Cable length for W&T probe: 2m (can be extended as needed)
  - Enclosure rating: IP67
- Temperature input:
  - 8-pin terminal block
  - Conductor cross-section 0.2-1.3mm<sup>2</sup>
  - Stripped length 6-8mm
- Network:
  - 10/100BaseT Autosensing/Auto-MDIX
  - RJ45
  - IPv6 on request
- Galvanic isolation:
  - Network connection min. 1500 V
- Power supply:
  - Power-over-Ethernet (PoE) or
  - DC 12V .. 48V (+/-10%)
- Current consumption:
  - PoE Class 1 (0.44 - 3.84W)
  - typ. 70mA @ 24V DC with external supply
- Displays:
  - 1 LED power
  - 2 LEDs network status
  - 4 LEDs status and error

#### Measuring unit:

- Sensor:
  - 2x Pt100/Pt1000 terminals 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



- $\pm 0.3^{\circ}\text{C}$ ,  $\pm 0.2\%$
- PT100/1000 Sensor Class A



- $\pm 0.15^{\circ}\text{C}$ ,  $\pm 0.2\%$
- Measuring frequency:
  - 4 seconds
- Storage frequency:
  - 15s, 30s, 1m, 5m, 15m, 60m
- Memory depth (4MB):
  - min. 4 weeks, max. 20 years

#### Housing and other data:

- Housing:
  - Plastic compact housing for top-hat rail mount
  - 105x22x75mm (LxWxH)
- Enclosure rating:
  - IP20
- Weight:
  - approx. 200g
- Ambient temperature
  - Storage:  $-40..+70^{\circ}\text{C}$
  - Operating: Non-contiguous mounting:  $0 .. +60^{\circ}\text{C}$
  - contiguous mounting:  $0 .. +50^{\circ}\text{C}$
- Permissible relative humidity:
  - 0..95% RH (non-condensing)
- Scope of delivery:
  - 1x Web Thermometer 2x
  - 1x Pt100 sensor, 2m, IP67
  - 1x Quick Guide