

Sensor:

- **Pt100 temperature sensor:**
 - Measuring range of W&T probe: -50°C...180°C
 - Measuring input: -200°C...650°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](#)

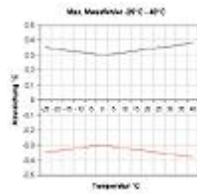
Connections and displays:

- Temperature sensor:
 - 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 0.2-1.3mm²
 - 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%) or
 - AC 18Veff .. 30Veff (+/-10%)
- Supply connection:
 - Plug-in screw terminal, 5.08mm spacing
 - Labeled "L+" and "M"
- Current consumption:
 - PoE Class 1 (0.44 - 3.84W)
 - typ. 62mA @24VDC, 80mA @20VAC,
 - max. 70mA @24VDC, 40mA @48VDC
- Indicators:
 - 1 LED power
 - 2 LEDs network status
 - 4 LEDs status and error

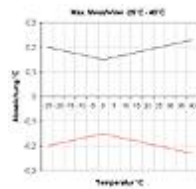
Measuring unit:

- Sensor:
 - Pt100/Pt1000 connection, 2-, 3- or 4-wire
- 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. 16 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)
- Ambient operating temperature:
- $0 .. +60^{\circ}\text{C}$
- Scope of delivery:
- 1x Web-Thermometer Pt100/Pt1000
- 1x Pt100 sensor, 2m, IP67
- 1x Quick Guide