Sensor:

- **NTC temperature sensor:**
  - Measuring range: -45°C...75°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: 15s, 30s, 1m, 5m, 15m, 60m
- **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:
- NTC type
- DB9 receptacle
- Cable length: 1m (cannot be extended)
- 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
- Displays:
- 1 LED Power
- 2 LEDs network status
- 4 LEDs Status and Error

Measuring unit:

- Sensor:
- NTC 10k
- Measuring range:
- -45°C...75°C
- Resolution:
- 1/10°C
- Maximum measuring error:
  (measuring unit + sensor)
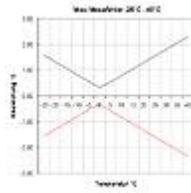
- o ±0.3°C, ±5.1%
- Measuring frequency:
- o 4 seconds
- Storage frequency:
- o 15s, 30s, 1m, 5m, 15m, 60m
- Memory depth (4MB):
- o min. 16 weeks, max. 20 years

Housing and other data:

- Housing:
- o Plastic compact housing for top-hat rail mount
- o 105x22x75mm (LxWxH)
- Enclosure rating:
- o IP20
- Weight:
- o approx. 200g
- Ambient temperature
- o Storage: -40..+70°C
- o Operating: Non-contiguous mounting: 0 .. +60°C
- o contiguous mounting: 0 .. +50°C
- Permissible relative humidity:
- o 0..95% RH (non-condensing)
- Ambient operating temperature:
- o 0 .. +60°C
- Scope of delivery:
- o 1x Web-Thermometer NTC
- o 1x NTC Sensor, 1m
- o 1x Quick Guide