

1 Channel int. Temperature

Order-No: W23-100-115 Series/Model: T0510



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1 channel transmitter for temperature

Main Product Features

- 1 temperature channel with internal sensor
- Temperature Range: -30 to +80°C
- Accuracy: $\pm 0,6^{\circ}\text{C}$
- TCP/IP Ethernet Interface, communication via Modbus TCP, WWW pages, SNMP and SOAP
- Protection: IP30
- Power 9-30 VDC
- Traceable calibration certificate (regarding EN ISO/IEC 17025 Standard)
- Alarm functions by traps, syslog, WWW pages, e-mails or SMS
- Long term stability of parameters
- Free TSensor configuration Software
- Free SensorRead Software (for logging data to the PC Harddisk)
- Free Modbus Library for LabVIEW. For viewing of actual values and graphs
- Warranty 3 years

Intelligent online Ethernet sensor is designed for measurement of temperature, barometric pressure, relative humidity, dew point temperature, absolute humidity, specific humidity, mixing ratio or specific enthalpy. Degrees Celsius and Fahrenheit are user selectable. Large dual line LCD for simultaneous display of temperature, pressure or relative

humidity or other calculated humidity interpretation is an advantage. Display is possible to switch off. State-of-the-art capacitive polymer sensor ensures excellent long term stability, inertia against water and condensation. Online transmitter is designed for use in non-aggressive environment.

Modes of Communication between Transmitter and Computer

- Modbus TCP: Modbus TCP protocol enables to read measured values, set alarm limits, adjust the probe.
- WWW Pages: User selectable design of www pages enabling to display curve of measurement history. User can design the look of www pages and temperature, humidity, pressure + computed values history.
- SNMP: It is possible to read actual values and alarm limits. In case of alarm creation warning message (trap) is sent to addresses defined by the user (maximum three addresses).
- SOAP: Online transmitter enables to send actual measured data in the format of SOAP message to selected web server in preset interval 10-65535 s. In case message is not received by the server till next message is sent, warning trap 1/2 is sent.

Transmitter Alarm Indications

- E-Mail: In case of alarm creation warning e-mail message is sent to addresses defined by the user (maximum three addresses) or via e-mail to SMS message.
- SNMP: In case of exceeding of adjusted temperature, humidity, pressure + computed value limits alarm is activated and warning trap is sent to user specified IP addresses (maximum 3 addresses).
- WWW Pages: In case of exceeding of adjusted temperature, humidity, pressure + computed value limits active alarm is displayed on www page.
- Syslog: Online transmitter enables to send text messages to selected syslog server after different events appear. E.g. after transmitter restart, alarm activation, communication error with SNTP, write to transmitter via mdb, sntp, after firmware change, after alarm termination, after communication error with SOAP Server.

Applications:

- Industrial Ethernet
- Rack Monitoring
- Server Rooms
- Building Management
- Building Automation
- Telecommunication devices
- Warehouses
- Glasshouses
- Manufactures
- Museums, Archives, Galleries
- Air-Conditioned Rooms
- Weather Stations



[Web sensor T0510 - remote thermometer with Ethernet interface \(4.5 MiB\)](#)



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If you have questions please don't hesitate to contact us any time.

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