

# Web Sensor - remote thermometer hygrometer with Ethernet interface

code: T3510



Ambient temperature, relative humidity t-line Web sensor. Remote alarm. Web Sensor with built-in relative humidity and temperature sensors designed as weather sensor.

High precision capacitive polymer sensor ensures excellent long term calibration stability and ultimate accuracy. Dual line LCD is an advantage. Measured values are also converted to other humidity interpretation: dew point temperature, absolute humidity, specific humidity, mixing ratio and specific enthalpy.

## Processing and analysis of measured data:

- online in [COMET Cloud](#)
- [COMET Database](#) software
- [integration into 3-party systems](#)

## Technical data

|                                                   |                                                                                  |
|---------------------------------------------------|----------------------------------------------------------------------------------|
| TEMPERATURE SENSOR                                |                                                                                  |
| Measuring range                                   | -30 to +80 °C                                                                    |
| Accuracy                                          | ±0.6 °C                                                                          |
| Resolution                                        | 0.1 °C                                                                           |
| HUMIDITY SENSOR                                   |                                                                                  |
| Measuring range                                   | 0 to 100 % RH                                                                    |
| Accuracy                                          | ±2.5 % RH from 5 to 95 % at 23 °C                                                |
| Resolution                                        | 0.1% RH                                                                          |
| DEW POINT                                         |                                                                                  |
| Measuring range                                   | -60 to +80 °C                                                                    |
| Accuracy                                          | ±1.5 °C at ambient temperature T <25 °C and RH >30 %                             |
| Resolution                                        | 0.1 °C                                                                           |
| GENERAL TECHNICAL DATA                            |                                                                                  |
| Operating temperature                             | -30 to +80 °C                                                                    |
| Channels                                          | internal temperature and humidity sensor                                         |
| Counted values                                    | dew point, absolute humidity, specific humidity, mixing ratio, specific enthalpy |
| Output                                            | Ethernet                                                                         |
| Range of humidity sensor temperature compensation | all temperature range                                                            |
| Measuring interval                                | 2 s                                                                              |
| Available temperature units                       | degrees Celsius, degrees Fahrenheit                                              |
| Communication protocol                            | WWW, ModbusTCP, SNMPv1, SOAP, XML                                                |
| Alarm protocols                                   | E-mail, SNMP Trap, Syslog                                                        |

|                  |                                           |
|------------------|-------------------------------------------|
| Power            | 9-30 Vdc                                  |
| Protection class | IP30                                      |
| Dimensions       | 88,5 x 147,5 x 39,5 mm; stem length 75 mm |
| Weight           | approx. 155 g                             |
| Warranty         | 3 years                                   |