

# Web sensor - compressed air remote thermometer hygrometer with Ethernet interface

code: T3511P



Humidity, temperature transmitter. T+RH probe from hard anodized duralumin for compressed air up to 25 bars on the cable. Humidity, temperature probe on a cable. Measured values are also converted to other humidity interpretation: dew point temperature, absolute humidity, specific humidity, mixing ratio, specific enthalpy.

The device is supplied with T+RH probe with 1 meter cable.

### 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 +105 °C  |
| Accuracy                                 | ±0.4 °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 for dew point temperature +10°C and higher at ambient temperature +25°C<br>±2.0°C for dew point temperature 0°C at ambient temperature +25°C<br>±3.0°C for dew point temperature -10°C at ambient temperature +25°C<br>±6.0°C for dew point temperature -20°C at ambient temperature +25°C |
| Resolution                               | 0.1 °C  |
| MEASURING THE MOISTURE OF COMPRESSED AIR |   |
| Measuring range                          | up to 25 bars   |
| Air flow velocity                        | up to 25 m/s at a pressure of 1 bar (1m/s at a pressure of 25 bar)  |
| GENERAL TECHNICAL DATA                   |   |
| Operating temperature                    | -30 to +80 °C   |
| Channels                                 | 1x connectable temperature+humidity probe   |
| 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 electronics; IP40 sensors                                   |
| Dimensions  | 88,5 x 93 x 39,5 mm; length/diameter of external probe 150/18 mm |
| External probe cable length                       | 1 meter  |
| Weight  | approx. 260 g  |
| Warranty  | 3 years  |