

## Industrial temperature, humidity, bar. pressure transmitter - RS485 output, cable 2 meters

code: T7411-2



Humidity, temperature transmitter with T+RH probe on the cable. Outdoor, indoor use. For environmental monitoring.

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. Built-in pressure sensor.

The device is supplied with T+RH probe with 2 meters cable.

### 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 at ambient temperature T <25 °C and RH >30 %                             |
| Resolution  | 0.1 °C   |
| ATMOSPHERIC PRESSURE SENSOR <a href="https://www.cometsystem.cz/pluto/m_produkty/produkt_edit.php?gr_id=1130&amp;id=1007#tech_param_en">https://www.cometsystem.cz/pluto/m_produkty/produkt_edit.php?gr_id=1130&amp;id=1007#tech_param_en</a> |  |
| Measuring range   | 600 to 1100 hPa  |
| Accuracy  | ±1.3 hPa at 23 °C from 800 to 1100 hPa   |
| Resolution  | 0.1 hPa  |
| GENERAL TECHNICAL DATA  |  |
| Operating temperature   | -30 to +80 °C  |
| Channels  | internal atmospheric pressure sensor, 1x connectable temperature+humidity probe  |
| Counted values  | dew point, absolute humidity, specific humidity, mixing ratio, specific enthalpy |
| Output  | RS485  |
| Range of humidity sensor temperature compensation   | all temperature range  |
| Available temperature units   | degrees Celsius, degrees Fahrenheit  |
| Communication protocol  | ModBus RTU, ARION, Advantech ADAM  |

|                             |  |
|-----------------------------|--|
| Power                       | 9-30 Vdc   |
| Protection class            | IP54 electronics; IP40 sensors                                   |
| Dimensions                  | 88,5 x 114 x 39,5 mm; length/diameter of external probe 88/18 mm |
| External probe cable length | 2 meters   |
| Weight                      | approx. 210 g  |
| Warranty                    | 3 years  |