

## Temperature and humidity transmitter with external probe - RS485 output

code: T3419



Humidity, temperature transmitter with T+RH probe on the cable.

Outdoor, indoor use.

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.

### 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                                                                           |
| 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                                            | 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                                  | IP65 electronics; IP40 sensors                                                   |
| Dimensions                                        | 88,5 x 145 x 39,5 mm; length/diameter of external probe 88/18 mm                 |
| External probe cable length                       | 1 meter                                                                          |
| Weight                                            | approx. 210 g                                                                    |
| Warranty                                          | 3 years                                                                          |