# Compressed air RH+T transmitter with RS485 output, cable 2 meters




code: T3419P-2

Humidity, temperature transmitter. T+RH probe from hard anodized duralumin for compressed air up to 25 bars 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 2 meters cable.

## Technical data

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| 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 | RS485 |
| Range of humidity sensor temperature compensation | all temperature range |

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| 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 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 |