

## Industrial temperature, humidity, bar. pressure transmitter - RS232 output

code: T7310



Ambient temperature, humidity, atmospheric pressure transmitter. Outdoor, indoor use. Built-in relative humidity, temperature, atmospheric pressure sensors. Measured values are also converted to other humidity interpretation: dew point temperature, absolute humidity, specific humidity, mixing ratio, specific enthalpy.

### Technical data

|   |  |
|---|--|
| TEMPERATURE SENSOR                                |  |
| Measuring range                                   | -30 to +80 °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                       |  |
| 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 sensor of temperature, humidity sensor and atmospheric pressure         |
| Counted values                                    | dew point, absolute humidity, specific humidity, mixing ratio, specific enthalpy |
| Output  | RS232  |
| Range of humidity sensor temperature compensation | all temperature range  |
| Available temperature units                       | degrees Celsius, degrees Fahrenheit  |
| Communication protocol                            | ModBus RTU and Advantech ADAM compatible protocol                                |
| Power   | 9-30 Vdc   |
| Protection class                                  | IP54 electronics; IP40 sensors   |

|            |   |
|------------|---|
| Dimensions | 88,5 x 170 x 39,5 mm; stem length 75 mm |
| Weight     | approx. 150 g                           |
| Warranty   | 3 years                                 |