

Industrial temperature, humidity, bar. pressure transmitter - RS485 output

code: T7410



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