

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

code: T7418



Ambient temperature, humidity, atmospheric pressure transmitter. Indoor use. E.g. for environmental monitoring. For exacting interiors in building energy management and HVAC systems. Are designed for easy installation on ordinary KU68 wiring boxes for household switches and sockets.

Technical data

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|---------------------------------------------------|----------------------------------------------------------------------------------|
| TEMPERATURE SENSOR | |
| Measuring range | -10 to +50 °C |
| Accuracy | ±0.5 °C |
| Resolution | 0.1 °C |
| HUMIDITY SENSOR | |
| Measuring range | 5 to 95 % RH |
| Accuracy | ± 2,5 % RH in the range 5 to 60 % RH |
| Resolution | 0.1% RH |
| DEW POINT | |
| Measuring range | -60 to +80 °C |
| Accuracy | ±1.6°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 | -10 to +50 °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 |
| Available pressure units | hPa, kPa, mbar, mmHg, inHg, inH2O, PSI, oz/in2 |
| Communication protocol | ModBus RTU, ARION, Advantech ADAM |
| Power | 9 to 30 Vdc |
| Protection class | IP20 |

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| Dimensions | 88 x 106 x 33 mm |
| Weight | approx. 150 g |
| Warranty | 3 years |