

Temperature, humidity, CO2 transmitter with RS485 interface

code: T6440

Temperature, humidity, CO2 level sensor. Outdoor, indoor use.



Green LED shines - CO2 concentration 0 to 1000 ppm

Yellow LED shines - CO2 concentration 1001 to 1200 ppm

Red LED shines - CO2 concentration 1201 ppm and more

Possibility to [extend the measuring range](#) for an additional charge:

- Measuring range: 0 to 10 000 ppm
- Accuracy: 100 ppm + 5% of the measured value at 25 °C and 1013 hPa

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 |
| 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 |
| CO2 SENSOR | |
| Measuring range | 0 to 2000 ppm |
| Accuracy | ±(50ppm +2% from reading) at 25°C and 1013hPa |
| Resolution | 1 ppm |
| GENERAL TECHNICAL DATA | |
| Operating temperature | -30 to +60 °C |
| Channels | internal temperature, humidity and CO ₂ sensor |

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| Counted values | dew point, absolute humidity, specific humidity, mixing ratio, specific enthalpy |
| Range of humidity sensor temperature compensation | all temperature range |
| Output | RS485 |
| Communication protocol | ModBus RTU, ARION, Advantech ADAM |
| Power | 9-30 Vdc |
| Protection class | IP30 electronics, IP40 sensors |
| Dimensions | 88,5 x 170 x 39,5 mm; stem length 75 mm |
| Weight | approx. 150 g |
| Warranty | 3 years |