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

Optional CO_2 measuring range extension from the standard 0 to 5,000 ppm up to 0 to 10,000 ppm (available at extra cost):

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

Technical data

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 5000 ppm
Accuracy	±(50ppm +3% from reading) at 25°C and 1013hPa
Resolution	1 ppm
GENERAL TECHNICAL DATA	
Operating temperature	-30 to +60 °C

Channels	internal temperature, humidity and CO₂ sensor
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