Temperature, humidity, CO2 transmitter with two relay and RS485 outputs



code: H6420

Temperature, humidity, CO2 level sensor with two output relays.

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	-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
CO2 SENSOR	
Measuring range	0 to 5000 ppm
Accuracy	±(50ppm +3% from reading) at 25°C and 1013hPa
Resolution	1 ppm
RELAY OUTPUTS	
Quantity	2
Maximal voltage	50 V

Maximal current	2 A
Maximal power	60 VA
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
Acoustic alarm	from built-in beeper - switchable
Output	RS485
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	IP30 electronics; IP40 sensors
Dimensions	136 x 213 x 45 mm; stem length 75mm
Weight	approx. 360 g
Warranty	3 years