

## CO2 concentration and temperature transmitter with 4-20mA outputs, built-in sensors

code: T8148



CO2 - carbon dioxide level and temperature sensor.

CO2 concentration and temperature transmitter with two 4-20mA outputs is specially designed for use in exacting interiors in building energy management and HVAC systems. It designed for easy installation on ordinary KU68 wiring boxes for household switches and sockets.

Large dual line LCD is possible to switch off.

Computerized design ensures long term stability and fail indication. Transmitter is designed for use in non-aggressive environment.

**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**

### Technical data

|                             |                                                                                  |
|-----------------------------|----------------------------------------------------------------------------------|
| TEMPERATURE SENSOR          |                                                                                  |
| Measuring range             | -10 to +50 °C                                                                    |
| Accuracy                    | ±0.5 °C                                                                          |
| 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       | -10 to +50 °C                                                                    |
| Channels                    | internal temperature sensor a CO <sub>2</sub>                                    |
| Counted values              | dew point, absolute humidity, specific humidity, mixing ratio, specific enthalpy |
| Output                      | 4-20 mA                                                                          |
| Available temperature units | degrees Celsius, degrees Fahrenheit                                              |
| Configuration of output     | user adjustable from PC; measured range + value                                  |

|                  |                  |
|------------------|------------------|
| Power            | 9-30 Vdc         |
| Protection class | IP20             |
| Dimensions       | 88 x 106 x 33 mm |
| Weight           | approx. 150 g    |
| Warranty         | 3 years          |