

## WebSensor - remote CO<sub>2</sub> concentration thermometer hygrometer with Ethernet interface, duct mount

code: T6545



Duct mount CO<sub>2</sub> concentration t-line WebSensor.

Web Sensor with built-in concentration CO<sub>2</sub>, temperature, relative humidity sensor for duct mount.

A multiple point CO<sub>2</sub> and temperature adjustment procedure leads to excellent CO<sub>2</sub> measurement accuracy over the entire temperature working range; this is a must for process control and outdoor applications. The dual wavelength NDIR CO<sub>2</sub> sensing procedure compensates automatically for ageing effects. The CO<sub>2</sub> module is highly resistant to pollution and offers maintenance free operation and outstanding long term stability.

The CO<sub>2</sub> concentration is shown on the display or signaled by a color LED.

### Processing and analysis of measured data:

- online in [COMET Cloud](#)
- [COMET Database](#) software
- [integration into 3-party systems](#)

### 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

|                        |   |
|------------------------|---|
| TEMPERATURE SENSOR     |   |
| Measuring range        | -30 to +60 °C                                   |
| Accuracy               | ±0.4 °C   |
| Resolution             | 0.1 °C  |
| HUMIDITY SENSOR        |   |
| Measuring range        | 0 to 100 % 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  |
| CO <sub>2</sub> 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 CO <sub>2</sub> sensor      |
| Output                 | Ethernet                             |
| Measuring interval     | 15 s                                 |
| Communication protocol | WWW, ModbusTCP, SNMPv1, SOAP, XML    |
| Alarm protocols        | E-mail, SNMP Trap, Syslog            |
| Power                  | 9-30 Vdc                             |
| Protection class       | IP30 electronics; IP20 sesors        |
| Dimensions             | 89 x 73 x 240 mm; stem length 130 mm |
| Weight                 | approx. 260 g                        |
| Warranty               | 3 years                              |