

WebSensor - remote CO₂ concentration with Ethernet interface, duct mount

code: T5545



Duct mount CO₂ concentration t-line WebSensor.

Web Sensor with built-in concentration CO₂ sensor for duct mount.

A multiple point CO₂ and temperature adjustment procedure leads to excellent CO₂ measurement accuracy over the entire temperature working range; this is a must for process control and outdoor applications. The dual wavelength NDIR CO₂ sensing procedure compensates automatically for ageing effects. The CO₂ module is highly resistant to pollution and offers maintenance free operation and outstanding long term stability.

The CO₂ 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

| | |
|------------------------|--|
| CO ₂ 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 CO ₂ 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 |