

WebSensor - remote CO₂ concentration with Ethernet interface

code: T5541

CO₂ - carbon dioxide t-line Web sensor. Remote alarm.
Web Sensor with CO₂ probe on the cable.



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 device is supplied with CO₂ probe with 1m cable. Cable lengths 2 or 4 meters available optionally.

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](#)

Technical data

| | |
|---|--|
| CO ₂ SENSOR | |
| Measuring range | 0 to 10 000 ppm |
| Accuracy | ±(100ppm +5% from reading) at 25°C and 1013hPa |
| Resolution | 1 ppm |
| GENERAL TECHNICAL DATA | |
| Operating temperature | -30 to +80 °C |
| Channels | 1x external 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; IP65 sensors |
| Dimensions | 88,5 x 72,5 x 39,5 mm |
| External probe cable length CO ₂ | 1 meter (optionally 2 or 4 meters) |
| Weight | approx. 240 g |
| Warranty | 3 years |