

WebSensor with PoE - remote CO2 concentration with Ethernet interface

code: T5640



CO2 - carbon dioxide t-line Web sensor. Remote alarm.
Web Sensor with built-in concentration CO₂ sensor with PoE function.

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

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| Range of CO ₂ concentration measurement | 0 to 2000ppm |
| Accuracy of CO ₂ concentration measurement | ±(50ppm +2% from reading) at 25°C and 1013hPa |
| Optional range of CO ₂ concentration measurement | 0 to 10000ppm ±(100ppm +5% from reading) at 25°C and 1013hPa |
| Resolution | 1ppm |
| Measuring interval | 15s |
| Temperature operating range | -20 to +60°C |
| IP protection | IP30 |
| LAN connection | RJ-45 connector, 10Base-T or 100Base-TX |
| Communication protocols | WWW, ModbusTCP, SNMPv1, SOAP, XML |
| Alarm protocols | E-mail, SNMP Trap, Syslog |
| Configuration | T-Sensor, WWW configuration |
| Power | Power over Ethernet according to IEEE 802.3af or 5Vdc |
| Power connector | co-axial, diameter 5.5 x 2.1mm |
| Dimensions | 136 x 136 x 45mm (W x H x D) |
| Weight | approximately 300g |
| Warranty | 3 years |