# 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 $CO_2$ sensor with PoE function.

A multiple point $CO_2$ and temperature adjustment procedure leads to excellent $CO_2$ measurement accuracy over the entire temperature working range; this is a must for process control and outdoor applications. The dual wavelength NDIR $CO_2$ 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

## Technical data

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|---|---|
| Range of CO2 concentration measurement | 0 to 2000ppm |
| Accuracy of CO2 concentration measurement | ±(50ppm +2% from reading) at 25°C and 1013hPa |
| Optional range of CO2 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 |