

# WebSensor with PoE - remote CO<sub>2</sub> concentration with Ethernet interface

code: T5640



CO<sub>2</sub> - carbon dioxide t-line Web sensor. Remote alarm.  
Web Sensor with built-in concentration CO<sub>2</sub> sensor with PoE function.

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

Range of CO <sub>2</sub> concentration measurement	0 to 2000ppm
Accuracy of CO <sub>2</sub> concentration measurement	±(50ppm +2% from reading) at 25°C and 1013hPa
Optional range of CO <sub>2</sub> 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