

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](#)

[Optional CO₂ measuring range extension from the standard 0 to 5.000 ppm up to 0 to 10.000 ppm \(available at extra cost\):](#)

- **Extended measuring range:** 0 to 10 000 ppm
- **Accuracy in extended range:** 100 ppm + 5% of the measured value at 25 °C and 1013 hPa

Technical data

Range of CO ₂ concentration measurement	0 to 5000ppm
Accuracy of CO ₂ concentration measurement	±(50ppm +3% 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