

# WebSensor with PoE - remote temperature, humidity, CO2 concentration with Ethernet interface

code: T6640



CO2 - carbon dioxide t-line Web sensor. Remote alarm.

Web Sensor with built-in temperature, humidity, 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

|                        |   |
|------------------------|---|
| TEMPERATURE SENSOR     |   |
| Measuring range        | -30 to +80 °C   |
| Accuracy               | ±0.6 °C   |
| Resolution             | 0.1 °C  |
| HUMIDITY SENSOR        |   |
| Measuring range        | 0 to 100 % RH   |
| Accuracy               | ± 2,5 % RH  |
| Resolution             | 0.1% RH   |
| DEW POINT              |   |
| Measuring range        | -60 to +80 °C   |
| Accuracy               | ±1.6°C at ambient temperature T<25°C and RH>30%           |
| Resolution             | 0.1 °C  |
| CO2 SENSOR             |   |
| Measuring range        | 0 to 2000 ppm   |
| Accuracy               | ±(50ppm +2% from reading) at 25°C and 1013hPa             |
| Resolution             | 1 ppm   |
| GENERAL TECHNICAL DATA |   |
| Operating temperature  | -30 to +60 °C   |
| Channels               | internal temperature, humidity and CO <sub>2</sub> sensor |

|   |  |
|---|--|
| Counted values                                    | dew point, absolute humidity, specific humidity, mixing ratio, specific enthalpy |
| Output  | Ethernet   |
| Measuring interval                                | 2 s; CO <sub>2</sub> 15 s  |
| Range of humidity sensor temperature compensation | all temperature range  |
| Communication protocol                            | WWW, ModbusTCP, SNMPv1, SOAP, XML  |
| Alarm protocols                                   | E-mail, SNMP Trap, Syslog  |
| Power   | Power over Ethernet according to IEEE 802.3af or 5Vdc                            |
| Protection class                                  | IP30 electronics, IP40 sensors   |
| Dimensions  | 136 x 117 x 45 mm  |
| Weight  | approx. 150 g  |
| Warranty  | 3 years  |