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

Optional CO_2 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 CO2 concentration measurement	0 to 5000ppm
Accuracy of CO2 concentration measurement	±(50ppm +3% 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