

Remote CO2 concentration with Ethernet interface and two relays

code: H5524



CO2 level transmitter with two output relays.

The CO₂ measurement is based on a 2-source, 2-beam process. CO₂ measurement with long-term stability is guaranteed thanks to the proven non-dispersive infrared (NDIR) CO₂ measurement cell. The unique patented auto-calibration procedure compensates for aging of the infrared source and guarantees high reliability, long term stability and eliminates the need of periodical recalibration in the field.

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](#)

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

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|------------------------|--|
| CO2 SENSOR | |
| Measuring range | 0 to 2000 ppm |
| Accuracy | ±(50ppm +2% from reading) at 25°C and 1013hPa |
| Resolution | 1 ppm |
| RELAY OUTPUTS | |
| Quantity | 2 |
| Maximal voltage | 50 V |
| Maximal current | 2 A |
| Maximal power | 60 VA |
| GENERAL TECHNICAL DATA | |
| Operating temperature | -30 to +60 °C |
| Channels | internal CO ₂ sensor |
| Acoustic alarm | from built-in beeper - switchable |
| Output | Ethernet |
| Measuring interval | 15 s |
| Communication protocol | WWW, ModbusTCP, SNMPv1, SOAP, XML |
| Alarm protocols | E-mail (SMTP authentication is supported), SNMP Trap, Syslog |
| Power | 9-30 Vdc |
| Protection class | IP30 |

| | |
|------------|-------------------|
| Dimensions | 136 x 213 x 45 mm |
| Weight | approx. 360 g |
| Warranty | 3 years |