

# Remote CO2 concentration with Ethernet interface and two relays

code: H5521



CO2 level transmitter with two output relays.

The CO<sub>2</sub> measurement is based on a 2-source, 2-beam process. CO<sub>2</sub> measurement with long-term stability is guaranteed thanks to the proven non-dispersive infrared (NDIR) CO<sub>2</sub> 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 device is supplied with CO<sub>2</sub> probe with 1m cable. Cable lengths 2 or 4 meters available optionally.

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](#)

### Technical data

|   |  |
|---|--|
| CO2 SENSOR                                  |  |
| Measuring range                             | 0 to 10 000 ppm  |
| Accuracy                                    | ±(100ppm +5% 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 +80 °C  |
| Channels                                    | 1x external CO <sub>2</sub> 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 electronics; IP65 sensors                               |
| Dimensions                                  | 136 x 150 x 45 mm  |
| External probe cable length CO <sub>2</sub> | 1 meter (optionally 2 or 4 meters)                           |

|          |               |
|----------|---------------|
| Weight   | approx. 360 g |
| Warranty | 3 years       |