

Remote CO₂ concentration with Ethernet interface and two relays

code: H5521



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 device is supplied with CO₂ probe with 1m cable. Cable lengths 2 or 4 meters available optionally.

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](#)

Technical data

CO ₂ 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 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 electronics; IP65 sensors
Dimensions	136 x 150 x 45 mm
External probe cable length CO ₂	1 meter (optionally 2 or 4 meters)

Weight	approx. 360 g
Warranty	3 years