



CO2 sensor 5000 ppm

A4270017

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Application

Buildings used to house animals are a very aggressive environment for measuring instruments due to high air humidity, the high ammonia concentration and the use of cleaning agents.

Fancom's robust electronic CO2 sensors are resistant to these circumstances. Use them to measure the carbon dioxide in pig and poultry houses that use controlled ventilation.

In certain Fancom controllers, such as the FSUP and F38, the CO2 content can be used to influence the minimum ventilation level.

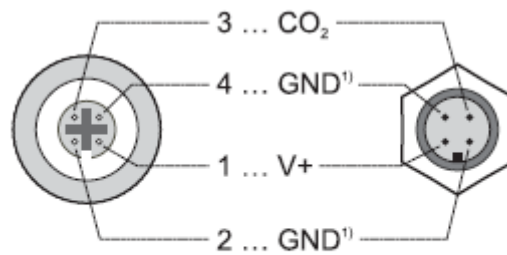
Options

A2270010 LID CO2 SENSOR + FILTER

A separate lid with integrated filter is available for maintenance. If the filter is soiled the lid can be replaced easily. In practice, this means that the lid should be replaced at least twice a year.

Dimensions



**Connections**

1) GND internally connected

Technical specifications**Power supply**

Supply voltage

24VAC +/- 20%

14 – 35 VDC

Analog output signal

4...20 mA and 0...10 V

Power consumption W

<3W

Warm up time

< 5 min

Measurements

Measuring principle

Non-dispersive infrared (NDIR)

Measuring range

0..5000 ppm

Accuracy at 20°C / +68°F

50 ppm (3% of the measured value)

Temperature dependency

Typically 2 ppm CO₂/°C

Long term stability

Typically 20 ppm /year

Sample rate

30 sec

General

Housing

PC, IP54

Connector

M12 plug

Weight

0.3 kg

Operating temperature

-20°C..+60°C / -4°F..140°F

Storage temperature

-20°C..+60°C / -22°F..158°F

Humidity

0..100%, non condensing