

Product description

The CO2-10000 is a CO2 sensor intended for livestock and industrial environments. Proper measurement and control of CO2 levels ensure animal welfare and safety. The sensor is ruggedly built for harsh production environments. It includes a connector, 24 VDC power supply and cable to easily remove and clean it.



Installation

The CO2-10000 should be installed in the middle of the livestock house.

The installation steps are as follows:

1. Using the provided installation kit, screw down the CO2-10000 in the location where it will be used. Ensure that the sensor side is exposed to ambient air (**Ref. 1**). Ensure that the sensor and its cable are protected from damage by livestock or user traffic.
2. Perform the electrical connections by following the diagram (**Ref. 2**)
3. Allow 10 minutes for the sensor to warm up after the connections are completed and the sensor is powered up.

Maintenance

Clean the CO2-10000 using water and a brush.

Do not use:

- High pressure cleaners
- Highly compressed air
- Solvents
- Corrosive or caustic agents
- Alcohol-based disinfectants

Specifications

Measurement range

0-10,000 ppm

Sample rate

15 s (approx)

Output signal

4-20 mA

Supply voltage

13.5-30 VDC

Warm up time

<10 min

Electrical connection

M12 plug

Temperature (operation/storage)

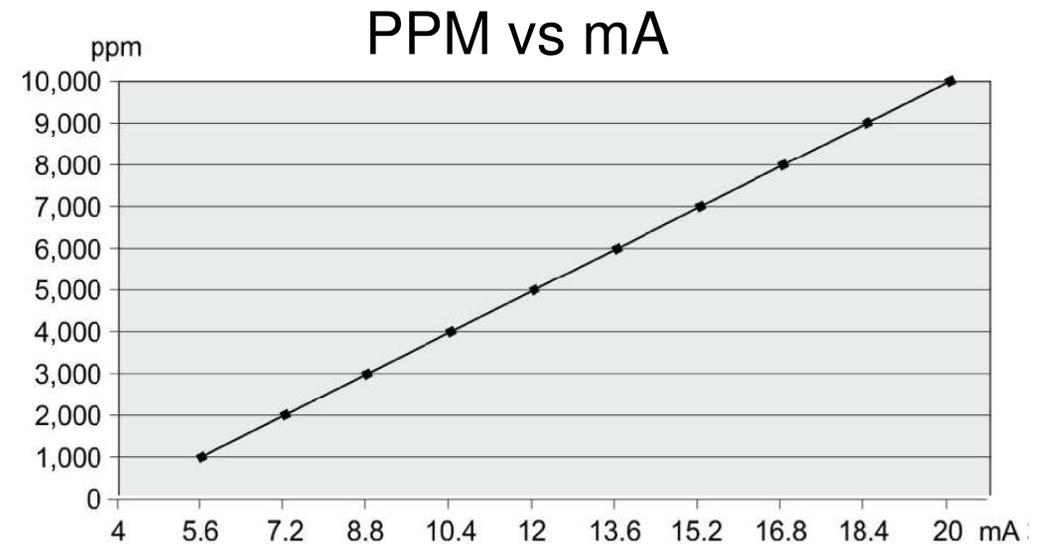
-40 to 140 °F (-40 to 60 °C)

Humidity (operation)

100% non-condensing

Humidity (storage)

95% non-condensing

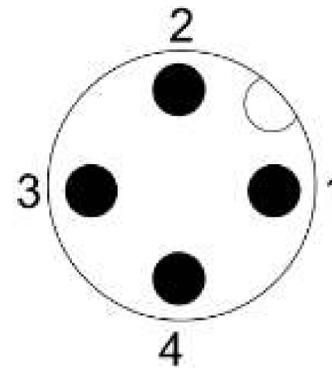
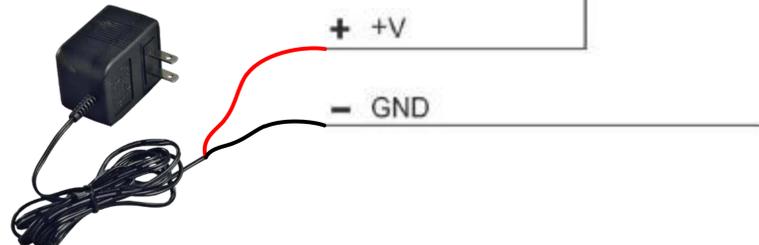


JUMPER

Ensure that the jumper on the PRB connector of the master controller is set to 4-20 mA



Power supply 24 VDC ≥ 100 mA



CO2-10000
product sheet v2.0
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