

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.

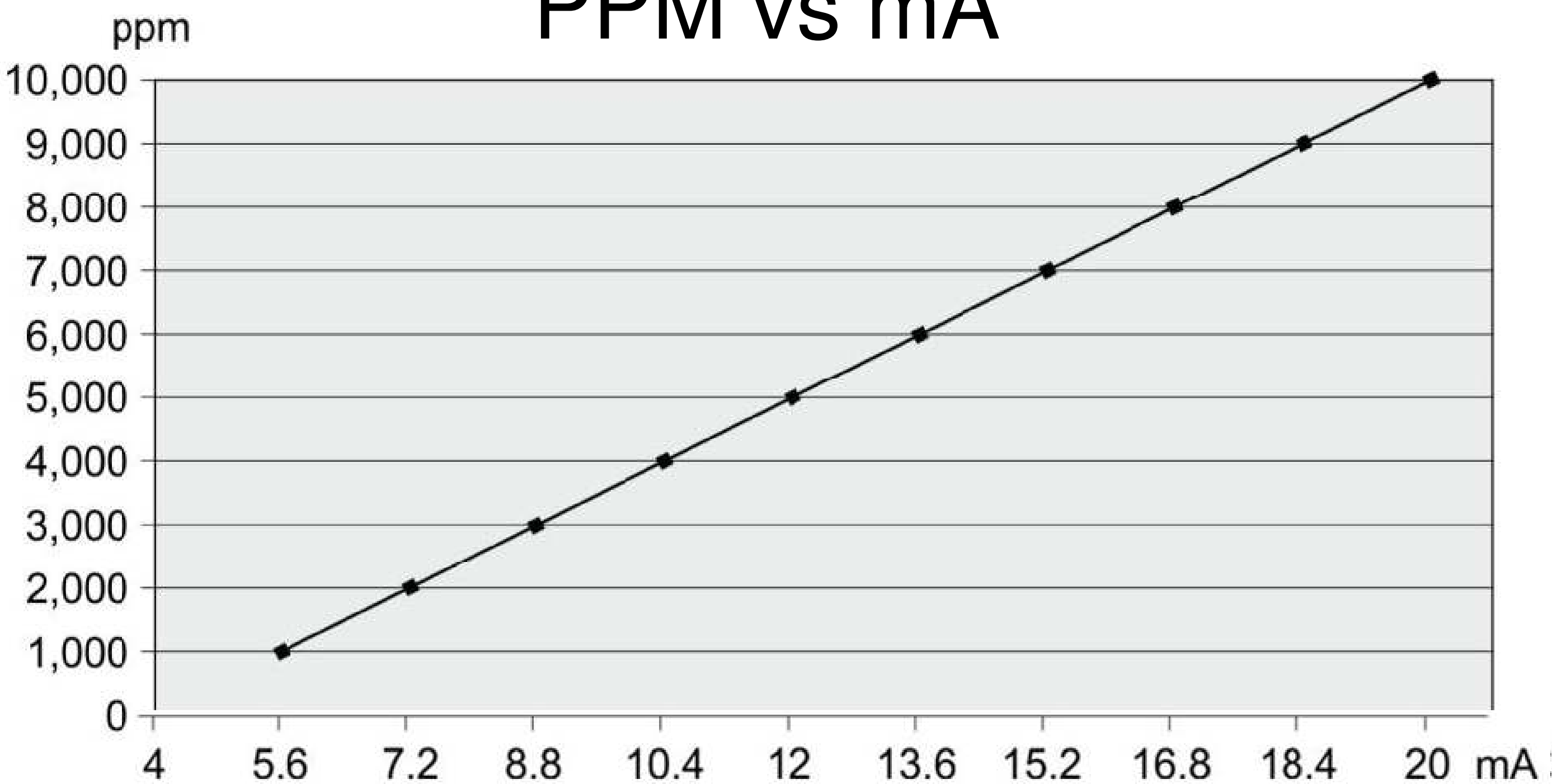
Do not use:

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

Specifications

Measurement range 0-10,000 ppm	Temperature (operation/storage) -40 to 140 °F (-40 to 60 °C)
Sample rate 15 s (approx)	Humidity (operation) 100% non-condensing
Output signal 4-20 mA	Humidity (storage) 95% non-condensing
Supply voltage 13.5-30 VDC	
Warm up time <10 min	
Electrical connection M12 plug	

PPM vs mA



JUMPER

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

