

Safety

CO₂ Gas Detectors

CO₂ gas detectors and CO₂ gas sensors are used to protect personnel wherever CO₂ gas or dry ice is used in closed areas, for example during dry ice blasting or when producing dry ice. As CO₂ is heavier than air, high CO₂ concentrations can be reached, especially in small rooms or basements where no fresh air is supplied.

Our CO₂ gas detectors ensure continuous and automatic CO₂ content measuring using ultrasound. A manual re-calibration at the press of a button is also possible if required. The CO₂ gas detectors are very simple to install and no maintenance is needed. It is a complete electronic system and, therefore, has no mechanical parts inside. All components are built into a splash proof box (IP65). Sensor is connected to the detector by a 10 m standard cable, which can be shortened or extended.

Specifications

Size/weight detector:	17 x 12 x 5,5 cm / approx. 1100 g
Size/weight sensor:	21 x 13 x 5.5 cm / approx. 900 g
Measuring range:	0 - 20 %
Resolution:	0.1 % CO ₂
Ambient temperature:	0 - 40 °C
Accuracy:	0.25 %

Range of CO₂ Gas Detectors:

CO₂ Gas Detector III SP

Consisting of a detector unit and a CO₂ gas sensor
Microprocessor: Single port
Potential free relay contact provided for additional external warning lights, fan etc.



part no. 909000
+ part no. 909011

CO₂ Gas Detector III SP/MA

Consisting of a detector unit and a CO₂ gas sensor
Microprocessor: Single port
Potential free relay contact provided for additional external warning lights, fan etc.
4 - 20mA output for further applications
(e.g. as an output signal for a remote indicator)



part no. 909001
+ part no. 909011

CO₂ Gas Detector III MP

CO₂ gas detector consisting of a detector unit and a CO₂ gas sensor (up to 3 sensors can be connected)
Microprocessor: Multi Port
Potential free relay contact provided for additional external warning lights, fan etc.



part no. 909002
+ part no. 909011

Options for CO₂ Gas Detectors:

Pos. 001

CO₂ Gas Sensor

For CO₂ Gas Detector III SP, SP/MA and MP, completely prewired

part no. 909011



Pos. 002

Sensor protection

This hoop guard made of stainless steel protects the CO₂ Sensor against mechanical damage e.g. from a fork lift

part no. 909030



Pos. 003

Splash water protection

This stainless steel shield protects the CO₂ Sensor against splash water

part no. 909029

