

Safety

ASCO CO₂ Gas Detectors

ASCO CO₂ Gas Detectors 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. CO₂ being heavier than air effectively will create high CO₂ concentrations, especially in small rooms or basements where no fresh air is supplied.

ASCO CO₂ Gas Detectors ensure continuous and automatic CO₂ content measuring in the ambient air using infrared absorption measuring (NDIR). This technology employed the detector is very troubleresistant to temperature variations or air draughts and therefore measures very accurately. The CO₂ gas detectors are very simple to install and no maintenance is needed due to the reliable measuring technology. It is a complete electronic system and, therefore, has no mechanical parts inside. All components are built into a splash proof box. The sensor is connected to the detector by a 5 m (196.85 in) standard cable, which can be shortened or extended as required.

Specifications Detector

Dimensions/weight:	160 × 65 × 130 mm (6.29 x 2.56 x 5.11 in) / approx. 600g (1.32lb)
Material box:	ABS plastic (IP54)
Resolution:	0.1 vol% CO ₂
Voltage:	100-240 VAC (PNE) (power supply unit with wide voltage input) 50-60 Hz
Max power consumption:	approx. 5 W
Relay preliminary alarm/alarm:	250 VAC (ohmic load), 10 A
Analog output signal:	4-20 mA, burden 200-800 Ω

Specifications Sensor

Size/weight:	85 × 65 × 90 mm (3.35 x 2.56 x 3.54 in) / approx. 500g (1.1 lb)
Material box:	aluminium (IP43)
Gas entry:	diffusion
Measuring method:	nondispersive infrared measurement (NDIR)
Measuring range:	0-5 vol% CO ₂
Accuracy:	0.1 vol% CO ₂
Operating temperature:	-10 to +50 °C

ASCO CO₂ Gas Detector: Standard scope of supply

ASCO CO₂ Gas Detector IV SP/MA

Potential free relay contact provided for additional external warning lights, fan etc.
4-20mA output, e.g. for an output signal for a remote indicator

part no. 4046230



ASCO CO₂ Gas Sensor for Detector Type IV SP/MA

Incl. 5 m (196.85 in) sensor cable for the connection between detector and sensor

part no. 4046231

