



ASCO CO₂ Gas Detectors

ASCO CO₂ gas detectors are designed to monitor CO₂ concentrations in enclosed spaces where CO₂ gas or dry ice is used—for example, during dry ice blasting or in dry ice production.

The devices are designed exclusively for CO₂ detection and provide readings for the early detection of elevated CO₂ concentrations. The ASCO product range includes stationary wall-mounted models for room monitoring as well as portable devices for personal exposure monitoring.



ASCO CO₂-Gas-Detector AGS Station

Stationary CO₂ Gas-Detector AGS for CO₂ content measurement in rooms, consisting of a display and sensor unit.



Features:

- Alarm signals acoustically and visually at 3 limit values
- Calibration with Nitrogen N₂
- Versatile connection and integration options
- IP54 housing classified for dust and splash protection
- Built-in ports for a emergency power battery

Specifications:

Detector

Dimensions/weight:	140 x 90 x 48 mm (5.5 x 3.5 x 1.9 in) / approx. 0.9 kg (1.9 lb)
Material Box:	plastic (IP54)
Resolution:	0.1 Vol. % CO ₂ (10ppm at 0~10,000ppm/100ppm at 10,001~50,000ppm)
Voltage/ Power supply:	
DC:	9 - 32 VDC (12 - 32 VDC recommended), 2 A
AC adapter:	Input: 100 - 240 VAC, 50/60 Hz, 0,6 A Output: 12 VDC, 2000 mA
Max. power consumption:	approx. 2 W
Relay preliminary alarm:	below 2 A at 30 VDC or 250 VAC, SPDT
Analog output signal:	4-20 mA

Sensor

Size/Weight:	170 x 126 x 69 mm (6.7 x 5 x 2.7 in) / approx. 0.5 kg (1 lb)
Material box:	plastic (IP54)
Gas entry:	diffusion
Measuring method:	nondispersive infrared measurement (NDIR)
Measuring range:	0 - 5 Vol. % CO ₂ (0 - 50.000 ppm)
Accuracy:	0.1 Vol. % CO ₂ (+- 100 ppm or +- 5%)
Operating temperature:	0 to +50 °C

ASCO CO₂ Gas Detector PRO-10

Portable CO₂ gas detector for people who are in locations where there is an elevated concentration of carbon dioxide.



Features:

- Audible and visual strobe alarms
- Man down alarm
- Rechargeable Li-ion battery
- Ambient air calibration
- Durable carrying strap with Velcro fastener

Specifications:

Alarm settings:	2 alarm limits
Alarm signals:	audible, visual and tactile
CO₂ Alarms settings:	AL1: 5000ppm (0.5%) Adjustable / AL2: 30,000 (3.0%) Fixed
Response Time:	CO ₂ : <2min by 90%
Dimensions:	76 x 70 x 30 mm (2.99 x 2.75 x 1.18 in)
Weight:	approx. 0.45 kg (0.3 lb)
Material:	plastic material (IP54)
Power:	3.7 V, 1000 mAh lithium-ion battery (USB-C cable included)
Power supply:	USB Type-C DC 5V ~ DC 24V (Max)
Operating conditions:	0° - 50° C
Operational Humidity Range:	0 ~ 95% RH non-condensing
Warm up time:	approx. 5 sec.
Resolution:	1 ppm at 400-50,000 ppm; 0.01 at 0.04-5%
Measurement accuracy (sensor):	± 200 ppm / ± 10 %
Measuring range:	0-5 vol% (0-50,000 ppm) CO ₂
Pressure Dependence:	Auto pressure compensation, built in barometer (50 to 110 kPa)
Calibration interval:	approx. 1 year or as required
Calibration method:	ambient air