

All about



ASCO CO₂ Detectors Type III



Besides CO2 Detectors we also manufacture and supply:

- Automatic CO2 Production Plants
- CO2 Stack Gas Recovery Plants
- CO2 Gas Recovery Systems for Dry Ice Machines
- Dry Ice Block / Slice / Pellets Machines
- Dry Ice Blasting Systems **ASCOJET**
- Cryogenic and CO2 Static and Transportable Tanks
- CO2 Cylinder Filling Systems
- CO2 Atmospheric Vaporisers
- CO2 Flowmeters
- Low to Low Pressure CO2 Transfer Pumps
- CO2 Testing Equipment (Dew Point / Purity / Carbonation)
- Ancillary CO2 Equipment

**The ASCO CO2 gas detector is your bodyguard.
It continuously monitors the CO2 content of the air.**

- Continuous and automatic CO2 content measurement
- 2 different alarm settings (prealarm and alarm)
- Very simple to install
- No maintenance required due to solid state measuring technology
- Easy user recalibration without using calibration gas
- LCD display of the actual percentage of CO2 concentration in the air
- Unit is operating within 20 seconds after powering on
- Built in temperature sensor
- Relay contact provided for additional output for external warning lights, fan, etc.
- Sensor can be mounted up to 150 m away from the detector. It is connected by a standard cable carrying RS485 digital signals
- Green LED for "in use", orange LED for "prealarm" and red LED for "mainalarm"!

Ask us for further details and offer:

Switzerland (Head Office)
Industriestr. 2, CH-8590 Romanshorn
Tel. + 41 71 466 80 80 Fax + 41 71 466 80 66
e-mail: info@ascoco2.com

ASCO CARBON DIOXIDE LTD

www.ascoco2.com

New Zealand
Box 16134, NZ-Christchurch
Tel. + 64 3 349 7029 Fax + 64 3 349 4337
e-mail: info@asco.co.nz

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3 different models:



Gas Detector Type III SP

1 Controller unit with 1 Sensor only
 Part. No. 909000 Controller unit
 Part. No. 909011 Sensor incl. 10 m cable with color coding



Gas Detector Type III SP/MA

1 Controller unit with 1 Sensor only
 additional mA-output with 4-20mA
 Part. No. 909001 Controller unit
 Part. No. 909011 Sensor incl. 10 m cable with color coding



Gas Detector Type III MP 1-3

1 Controller unit for max. 3 Sensors (upgradable at a later stage)
 Part. No. 909002 Controller unit
 Part. No. 909011 Sensor incl. 10 m cable with color coding

Easy installation: Simply connect your detector to the power supply. After automatic self-test, the unit will display the CO₂ content of the ambient air within 20 seconds.

Prealarm and alarm: As soon as a preset CO₂ concentration level is reached, a built in alarm will sound. An external warning light or a fan, etc., can be connected to the detector which will operate when the preset CO₂ level is reached. This detector is also available with a 4 - 20 mA output (type SP/MA).

ASCO CO₂ gas detectors are used as a safeguard wherever a hazardous CO₂ concentration in the air could occur! The CO₂ gas detector includes a built in alarm which will sound as soon as preset CO₂ concentration level is reached. This fully electronic system using ultra sound has no mechanical parts inside.

Extra protection for ASCO CO₂ Sensor



Splash Water Protection
 Part no. 909029

Splash water protection for ASCO CO₂ Sensor

This stainless steel shield protects the **ASCO** CO₂ sensor against splash water e.g. as a shield while cleaning rooms with a water hose. Useful in cellars of breweries, soft drink bottlers and other industrial areas where cleaning is done with water.



Sensor Protection
 Part no. 909030

Sensor protection

This hoop guard made of stainless steel protects the **ASCO** CO₂ sensor against mechanical damage such as a bump from a fork lift.

Technical specifications for CO₂ Detectors

Measuring range	0 - 20%
Sensor	SP: 1 Sensor / MP: up to 3 Sensors
Sensor distance	max. total length = 150 m
Sensor cable	10 m, shielded with color coding, 5-cores
Microprocessor	Multi Port (MP) / Single Port (SP)
Alarmpoint 1 = Prealarm	0.5 / 1 / 1.5 %
Alarmpoint 2 = Mainalarm	1.5 / 2 / 3 / 4 / 5 %
Display	LCD, 4-digit
Ambient temperature	0 - 40°C
Accuracy	0.25%
Resolution	0.1% CO ₂
Configuration	via jumper easily adjustable
Mains power	110 V - 240 V, 50 Hz / 60 Hz
Size / weight detector	17 x 12 x 5.5 cm / SP: 1.060 kg / SPMA: 1.070 kg / MP: 1.114 kg
Size / weight sensor	21 x 13 x 5.5 cm / 930 gr
Modification	ASCO reserve the right to modify any part of the specifications without prior notice.