

A50 CO2 Detector

Wall Mounted CO2 Detector



The Experts in Beverage and Hospitality Gas Safety.

This plug and play CO2 detector is simple to wall mount in the area where CO2 is stored or piped and will provide audio/visual alarms should there be a leak which exceeds permissible safety levels. The unit does not require any calibration unless local regulations mandate it.

If you are also using nitrogen you may also be interested in a dual A50 which contains both a CO2 and O2 sensor.

We also offer the A50M which consists of 2 x CO2 sensor units and one combined repeater - this is most commonly used in areas larger areas or in cellars which have a separate cold store.

The A50 is an affordable, easy to operate CO2 monitor and is ideal for ensuring safety in areas where the gas is piped or stored such as in a cellar or fast food restaurant.

The main sensor unit is to be wall-mounted in the area highlighted as a risk. It is also supplied with a repeater which can be placed at the entrance to warn anyone entering the room of an alarm before entering.

Commonly Found In:

- Pub cellars
- Fast food restaurants
- Nuclear power plants
- Breweries
- Craft breweries
- Wineries
- Cider barns
- Cafes
- Night clubs
- Kitchens
- Sports stadiums
- Swimming pools, spas & leisure centres



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Sensor specifications:

Gas detected:	Carbon Dioxide (optional Oxygen sensor may be fitted)
Measurement technique:	Infra-Red (Oxygen - electrochemical)
Range:	0.1 to 5% (Oxygen - 0.1 to 25%)
Resolution:	0.01% (Oxygen - 0.1%)
Alarm set points:	0.5 and 1.5% (optional alarm set points available) (Oxygen - 18 and 19.5%)
Response time:	45 seconds to T90 (Oxygen - 15 seconds to T90)
Warm up time:	40 seconds (Oxygen - 10 seconds)
CO2 Expected life:	> 15 years
O2 Expected life:	1 year

Analyser specifications:

Analyser type:	Fixed
Operating Temperature:	-5 to +40°C
Power:	230V AC, 110V AC, 9 to 24V DC (24 hour battery backup available)
Power consumption:	<5 VA
Output options:	2 x relays, 0 to 1V
Dimensions:	175 x 110 x 75mm (analyser) 72 x 170 x 45mm (repeater)
Sounder:	Minimum 75dbA
Internal Strobe:	Intensity >100cd
IP Rating:	IP65 (apart from quick connect repeater which is IP43)
Certifications and approvals:	CE, EN50270:1999, EN61000-6-3:2001+A11:2004, BS EN 61010-1:2001, IEC 61010-1(2ed), DIN 6653-2:2004 (TRSK313) and AS61010.1-2003 (Australia & New Zealand), CSA, Master Contract 239512, Certificate 1909026.
Warranty:	2 years electrical CO2 Sensor: > 15 Years O2 Sensor: 2 years

Part Number: 72-8050-A50

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