CellarSafe

From fermentation through to distribution, Carbon Dioxide is one of the most common hazards to health in breweries, cellars and drinks outlets. It is also the fourth most abundant gas in the atmosphere. Long term exposure to only 0.5% volume represents a toxic health hazard. Concentrations greater than 15% volume can lead to death. CellarSafe has been designed specifically to warn personnel of these hazards.

CellarSafe, the cost effective CO_2 and Oxygen monitor you can trust.

Simple to use

- Clear back-lit display for gas readings
- Bright LEDs and loud, distinctive alarms
- Single button for routine operation and testing
- Plug-in repeater units complete with cable
- Calibration unit with automatic sequencing
- No specialist cabling required

Secure and robust

- IP65 protection against dust and water ingress
- Tough polycarbonate case
- Wide operating temperature range
- Battery backup for mains failure (optional)
- Dual-band infrared sensor for carbon dioxide

Protect yourself

- Continuous monitoring for carbon dioxide in cellars and other confined spaces
- Optional oxygen sensor to detect asphyxiation hazards due to nitrogen cylinder leaks
- Automatically turn on ventilation fans
- Factory set alarm levels

Save money

- Only turn on ventilation fans when they are needed
- Long-term maintenance-free operation
- Minimal sensor calibration requirements
- Long-life sensors

CROWCON
Gas Detection You Can Trust

CellarSafe

Specification

Alarm levels

The carbon dioxide and optional oxygen alarm thresholds are factory set at the following values:

	Low	High
Carbon dioxide, CO_2	1.5%	3.0%
Oxygen, O_2	19.5%	18.0%

Other alarm level settings are available on request

CellarSafe specification

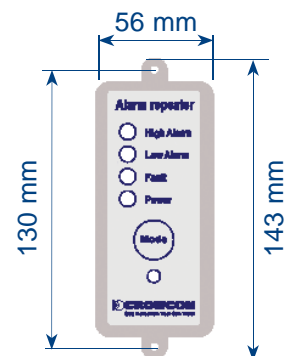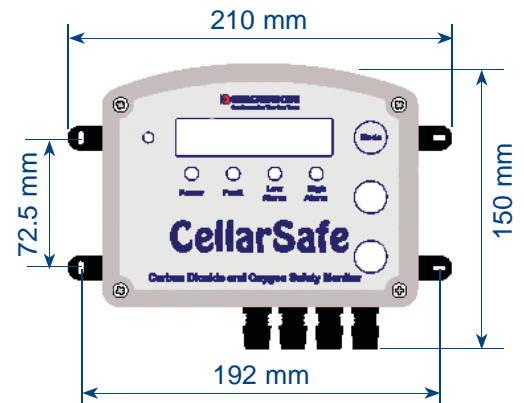|	
Dimensions	210 x 150 x 75 mm
Weight	1.3 kg
Operating voltage	230 V, 50/60 Hz ac, 16 VA, double insulated
	115 V option available
Operating temperature	+3°C to +50°C (37°F to 122°F)
Warm up time	40 seconds
IP rating	IP 65
Display	Backlit LCD, 13.5 mm high digits
Instrument status indicators	2 gas level concentration alarm LEDs, red
	1 fault alarm LED, yellow
	1 power LED, green
	1 sounder (>82 dB @ 10 cm)
Cable length	2 m
Fixing centres	4 at 192 mm x 72.5 mm
Humidity	0-99 % RH non-condensing
Relay outputs	SPCO 10 A (240 V ac/30 V dc)
EMC approvals	EN50270
	FCC part 15
	ICES-003

Repeater unit specification

Dimensions	143 x 56 x 41 mm
Weight	120 g
IP rating	IP 54
Instrument status indicators	2 gas level concentration alarm LEDs, red
	1 fault alarm LED, yellow
	1 power LED, green
	1 sounder (>82 dB @ 10 cm)
Cable length	9 m

CellarSafe is specifically designed for the detection of carbon dioxide and oxygen where there is a risk of asphyxiation.

Remote repeater units are used to alert personnel in the safe area to the presence of a hazardous situation in the area being protected.

CellarSafe has been designed to comply with the German TRSK-313, TRSK-400 and TRSK-403 standards for retail outlets and with the guidelines laid out by the Health and Safety Executive within the UK.

Carbon Dioxide Facts
- >1.5%: hyperventilation, headaches
- >3%: perspiration, breathing difficulty
- >6%: tremors, visual disturbance
- >10%: unconsciousness, death after a few hours
- >15%: death within minutes