Ax60+

Safety, at the ready

by **ANALOX**

Protect your team, customers and site with the Ax60+

The Ax60+ is a **fixed/wall mount safety** monitor with options for sensing carbon dioxide (CO_2), oxygen (O_2) or a combination of both gases.

This flexible system comes with a central unit including a digital display and can offer protection in multiple areas of your site with a choice of 1-4 sensors of either gas.

Analox pre-configure the unit for your local regulations so all you need to do is follow the simple quick start guide supplied with your unit.

Benefits

- **Ready to install** - straight from the box
- Meets all state and local fire/building codes
- Relays can be set to activate fans or gas shut-off on **alarm set points**, **system faults and power outage**
- Connect to your Building Management System (BMS) with the Data Output Module (DOM) for **live, remote readings**
- **Flexible system** to suit your application
- Sensors can be **retro fitted** if your requirements change
- Alarm set points can be **changed by the user** if there is a change in legislation
- True **peace of mind** with a 5 year electronics warranty
- **Easy to maintain** and calibrate if required

Features

- Central unit with digital display
- Choice of 1-4 sensors
- Choose the number of alarm units (up to 4 per sensor, system maximum 8 alarm units)
- Choose any combinations of gases (CO_2 or O_2)
- 2 built-in relays
- Audible & Visual alarms
- Time weighted average (TWA) alarm
- Quick connect or hard wired installation options
- Optional MODBUS RTU & 4-20mA via the Data Output Module (DOM)
- Optional external beacon

Gases Detected

Oxygen (O_2) & Carbon Dioxide (CO_2)

Applications

- Restaurants & Fast Food Establishments • Bars • Laboratories
- Breweries & Wineries • Greenhouses & Agriculture • Ventilation
- Medical Facilitates • Fire Suppression • Green Energy
- Schools & Academic Facilities • Gas Manufacturing & Blending
- Dry Ice shipping • Vaccine roll out centres • Pharmacies
- Logistics Warehousing & Distribution Centres • Air cargo Warehousing

The Ax60+ meets:

c**UL**us
Certified by UL

FCC CE NFPA

TÜVRheinland
Type Approved Safety Regular Production Surveillance
CERTIFIED
www.tuv.com
ID 0000043715

OSHA

NBBI

IFC

UK & USA
Quality Design,
Manufacturing & Service

Your Challenge, **Our Passion**

Ax60+

Tech Spec

System Specification

Warm-up time	40 Seconds
Operating temperature range	−5°C to +50°C +23°F to +122°F
Warranty	5 Years Electronics

Alarm Unit

Strobe	White LED strobe > 100 cd (optional blue, red & amber filters)
Sounder	Min 80 dBA @3m (9.8 feet)
IP rating	IP55
Warranty	5 Years Electronics
Dimensions	w 3" / 72mm h 5.1" / 132mm d 2" / 52mm

Central Display Unit

Display	LCD dot matrix (backlit)
Relays	2 x high powered configurable relays rated for 250V AC/ 30V DC, 3A max
Maximum power consumption	<24 W
Power supply accepts inputs from	100-240V ~ 1.5A through the transformer or 24VDC direct power
IP rating	IP54
Dimensions	w 6.9" / 175mm h 4" / 106mm d 2.6" / 67mm
Optional Extras	24V supply available for optional external beacon

Sensor Unit

	CO2 Sensor	O2 Sensor
Gas detected	Carbon Dioxide (CO_2)	Oxygen (O_2)
Measurement technique	Infrared	Electrochemical cell
Range	0% to 5% (0-50,000ppm)	0% to 25%
Default alarm set-points	USA regulations (OSHA, NBIC, NFPA and IFC) : TWA - 5000ppm (0.5%) AL1 - 5000ppm (0.5%) AL2 - 15000ppm (1.5%) AL3 - 30000ppm (3%) International/European regulations (EH40): TWA - 5000ppm (0.5%) AL1 - 15000ppm (1.5%) CO_2 - 30000ppm (3%)	18% (low) 19.5% (low) 23% (high)
Sensor Warm Up Time	40 Seconds	60 Minutes
Warranty	5 Years	5 Years Graded
Response time	(T90) <30 seconds	
IP rating	IP55	
Dimensions	w 3" / 72mm h 5.1" / 132mm d 2" / 52mm	

Why Analox?

...because we don't just meet standards - we set them

Analox are the 'go-to' company when expertise is required for setting gas safety standards and we are proud to have assisted **California Fire Prevention Institute (CFPI)**, **Compressed Gas Association (CGA)**, **Technischer Überwachungsverein (TUV)** and the **International Association of Oil & Gas Producers (IOGP)**.