PORTABLE OZONE MONITOR

SM70 Fixed Monitor

SERIES SM70

With an integrated LCD display, audible alarm, relay outputs, and a choice of sensor ranges in both ozone and VOC gases – the SM70 offers unbeatable value for industrial and indoor gas monitoring.

The sensor is used by researchers, professionals, and non-experts alike to gather indoor air quality data from indoor environments. Commercially they are used for ozone generator control, process control, monitoring controlled atmospheres, air quality, and health and safety compliance.

Monitors at a glance

Feature / Series	Yes	No
Active fan sampling	✔	
PC data logging and real-time network capability		✔
Multiple analogue and digital outputs	✔	
Interchangeable sensor heads	Replaceable(O_3 sensor board)	
Enclosure		✔
Options		
Temperature and RH sensor		✔
Large LED display	(Built-in 3.5 digit LCD)	
Strobe and siren	Buzzer alarm	
Gas		
Ozone (O_3)	Sensor board*	

* See sensor type in specification table.

Ordering information

Included	
	LCD display
	12V DC power adaptor
	Ozone sensor module with calibration certificate
	RS232 digital output
	0-5 V analog output
	Internal piezo (85 db)
	Wall mounting tabs
Features	
	Large format digital display
	Replaceable GSS sensors
	External control outputs
	High and low alarms
	Power adaptor/charger included
Sensor heads available for	
	Ozone (O3)
	Volatile organic compounds (VOC)

BENEFITS

- Real-time ozone concentrations shown continuously on display
- Multiple outputs for control of external devices e.g. an ozone generator
- Alarm options to signal ozone exceedances for health and safety
- Replaceable ozone sensor board which can be sent back for recalibration
- Plug and play monitor
- Active sampling for improved accuracy
- Compatible with two ranges of ozone sensors

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TYPICAL APPLICATIONS

- Leak detection
- Health and safety monitoring
- Process control
- Indoor air quality monitoring

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Specifications

Feature / Series	SM70
Applications	Ozone monitor for real-time network monitoring, health and safety and process control.
Measurement units	Gas: ppm
Reading functions	Instant
Sensor head type	 Sensor board Removable / replaceable
Sampling method	Active sampling via sensor board fan
Analog output	0-5 Vdc (LZ sensor board), 0-1.5 Vdc (UZ sensor board)
External signal type	Relay output (24 Vdc; 5 A max.)
External signal functions	Factory configured
External signal input	-
Connectors	Screw type
Monitor Identification (ID)	-
Alarm set points	Factory configured single point
Control set point	Factory configured
Communication	RS232 and RS485 (Aeroqual proprietary protocol)
Software	-
Interface (optional)	RS-485 and RS-232
Power (user supplied)	12 Vdc; 800 mA; Plug-in Vdc power adaptor supplied
Monitor base/enclosure material and rating	Flame resistant PS I IP20 NEMA 1 equivalent
Size (with sensor head) (L x W x H)	130 x 94 x 57 mm 5 ⅛ x 3 ¾ x 2 ¼ in
Weight (Incl. Sensor)	270 g; 9.5 oz (excludes AC power adaptor)
Environmental operating conditions	0°C to 40°C 32°F to 104°F
Approvals	Part 15 of FCC Rules, EN 61000-6-3: 200, EN 61000-6-1: 2001

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