

VOC in Gas Monitor

MS1800



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Monitoring VOCs in industrial processes

The MS1800 is a **VOC and Hydrocarbon Gas Concentration Monitor**.

It is designed to monitor VOC gases in **industrial processes** and applications as well as in **environmental monitoring** applications.

The instrument senses gases or volatiles providing a measurement system with very **low maintenance requirements**.

Taking a measurement every 2 seconds, the MS1800 is accurate at concentrations from 1 to 500 ppm, dependent upon the target gas, and its **wide dynamic range** allows it to be used in a variety of environments.

A **user programmable** concentration alarm threshold can be set, connecting to a relay output and an indicator on the front panel. This allows connection to other peripheral equipment such as isolation valves, pumps, samplers or audio-visual alarms.

A 4–20 mA output is available for connection to a PLC or SCADA system and the MS1800 can operate from 90–240 V AC or 12 V DC power supplies.

- ✓ Continuous monitoring
- ✓ Low operating costs
- ✓ Low maintenance costs
- ✓ High reliability
- ✓ Field proven technology
- ✓ Designed and Made in the UK

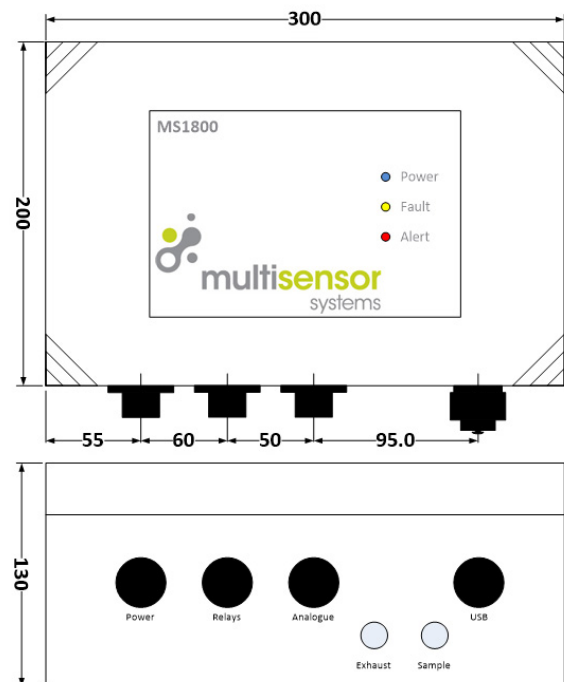


Applications

- Monitoring of Total VOC
- **Process VOC Monitoring**
- Environmental Monitoring
- Detection of VOCs in wastewater systems
- Odour Control
- Land Remediation

Installation

Installation is a **simple process** and consists of connecting the instrument to power and fixing it on a wall or surface. Setup uses a user friendly app running on a laptop PC.



TECHNICAL SPECIFICATION

PARAMETER	OPERATIONAL REQUIREMENTS		NOTES
	<i>Minimum</i>	<i>Maximum</i>	
Supply Voltage	90 V AC	240 V AC	50 Hz or 60 Hz. 12 V DC option available
Power Consumption		9 W	Typical 7 W during operation
Working Temp: Ambient	0 °C	50 °C	Higher temperature available
Sampling Period	Continuous measurement		
Instrument Case	IP67, Polycarbonate		
Detection Range	1 ppm	500 ppm	Measured against target gas standard. For calibration using specific compounds contact Multisensor Systems
Accuracy	-10%	+10%	15 ppm sample measured at 20 °C
Analogue Output	4 mA	20 mA	Scalable to range required, max load 900 Ω
Analogue Output Isolation	400 V DC		
Relay Voltage		50 V	Alarm and Fault Relays with NO and NC contacts
Relay Current		5 A	
Data Interface	USB-A to PC		Using Multisensor Software provided
Data Storage	μ SD Card		Instrument lifetime data stored
Weight	5 kg		
Dimensions	300 x 200 x 130 mm		

Typical Target Compounds

Petroleum Gas	Kerosene	Iso-butylene	Xylene	Methanol
Methane	Ethanol	Toluene	Heptane	Mercaptan
Iso Butane	Diesel	Acetone	Benzene	

Consumables

Every 6 Months:	Dust Filter Elements
Every 12 Months:	Air Pump



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Multisensor Systems is a developer and supplier of Water and Gas Analysers specialising in oil in water, hydrocarbon analysers, oil in water detectors, THM Analysers and Ammonia Analysers based in the United Kingdom.

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