

# MS1200 Hydrocarbon Monitor

## Product Description

The MS1200 is a VOC / Hydrocarbon Concentration Monitor designed for measuring gases in drains and outflows from industrial facilities.

It senses gases or volatiles providing a measurement system which requires **NO ADDITIONAL REAGENTS OR GASES** and with very low maintenance requirements.

The MS1200 is accurate from <1 to 1,000 ppm concentrations dependent upon the target gas and its wide dynamic range allows it to be used in a wide variety of environments.

User programmable Alert thresholds can be set, connecting to relay outputs and to visible indicators. This allows connection to other peripheral equipment such as isolation valves, pumps or samplers.

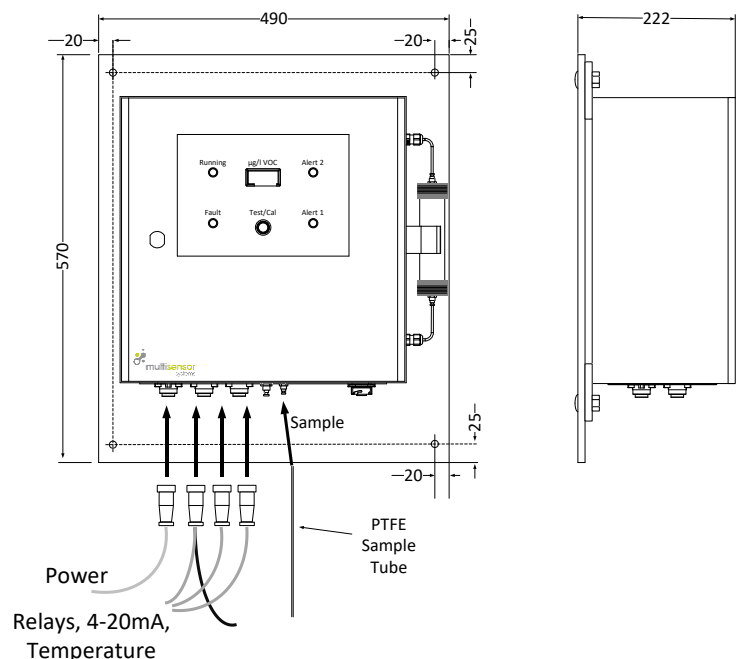


## Applications

- Monitoring of drains and effluent discharges
- Detection of explosive gases
- Oil and Fuel Leak Detection
- Odour Control
- Land Remediation

## Benefits

- Low maintenance costs
- High reliability
- No reagents
- Field proven technology



The key performance parameters are shown below.

Parameter	Operational Requirements		Notes
	Minimum	Maximum	
Power	90V AC	240V AC	50Hz or 60Hz. 24V DC option available
Power Consumption		15W	Typical 10W during operation
Working Temp: Ambient	0C	50C	Higher temperature available
Sampling Period	10mins	120mins	User selectable. High concentrations may limit the minimum time period allowed
Instrument Case	IP65, Coated Mild Steel		

Parameter	Performance Limits		Notes
	Minimum	Maximum	
Detection range	1ppm	1000ppm	Measured against target gas standard. For calibration using selected compounds contact Multisensor Systems
Accuracy	-10%	+10%	15ppm sample measured at 25C
Display range (Default)	0ppm	1000ppm	Configurable on commissioning
Analogue Output	4mA	20mA	Scalable to range required, max load 900R
Analogue Output Isolation	400V		Continuous, Opto-isolated
Relay Voltage		50V	2x, Alarm 1 and Alarm 2 Relays with NO and NC contacts. Threshold user programmable.
Relay Current		5A	
Data Interface	USB		Using Multisensor Software provided
Data Storage	µSD Card		Instrument lifetime data stored
Weight	11kg		Including PVC backboard
Dimensions	570 x 490 x 222mm		Mounted on PVC backboard

An additional air sampling pump may be required dependent upon sampling conditions. Please consult Multisensor systems for more details.

## Typical Target Gases and substances:

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

## Calibration Period

6 Months using Calibration Kit available from Multisensor Systems

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## Consumables

### Every 6 Months

Active Carbon Air Filter Contents

Dust Filter Element

### Every 24 Months

Air Pump