

# MS1200 On-line VOC/Hydrocarbon Monitor

## Product Description

The MS1200 is a VOC concentration monitor designed for water and land remediation applications. It utilises a contactless measurement technique, sensing headspace gases or volatiles in the environment, and provides a measurement system with very low maintenance requirements.

The MS1200 is accurate to low ppb concentrations and its wide dynamic range allows it to be used in a wide variety of environments.



The instrument is housed in a robust steel enclosure and can be powered from either 90 – 240V AC or 24V DC supplies.

Various communications options are available including 4 – 20mA, Profibus and Modbus.

## Applications

- Protection of raw water intakes
- Water treatment process monitoring
- Regulatory compliance guidance
- Land remediation

**Conforms to**  
UL 61010-1 / EN 61010-1:2010  
EN61326-1:2006

**Dimensions**  
Height 400mm (15.75ins) x  
Width 400mm (15.75ins) x  
Depth 200mm (7.9ins)

**Dynamic Range**  
1 ppb – 1000 ppb in water

**Absolute Accuracy**  
For repeated  
measurement of 100 ppb  
Total VOCs in Water:  
±10%

**Repeatability**  
For repeated measurement of  
1,000 ppb Total VOCs in  
Water: ±2%

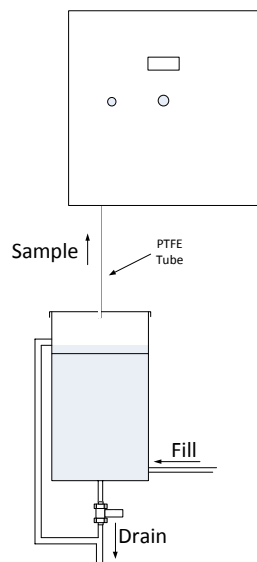
**Analysis time**  
60s, repetition rate 10, 20, 60  
mins

## Operating Conditions

Parameter	Notes	Min	Max	Units
AC Power	50/60Hz Systems -01/-03 models	90	240	Vrms
DC Power	-02/-04 models	19	36	V
Power Consumption			10	W
Temperature	85% max relative humidity	0	50	C
Sample Gas flow		50	70	ml/s
Sample Temperature		2	40	C

## Electrical Connections

	Notes	Connector
AC Power		Industrial Circular Connector Male 4 Pin
DC Power	-02/-04 models	Industrial Circular Connector Female 4 Pin
USB	USB2 Full Speed	USB Female IP67
4 – 20mA Loop	1000V DC Isolation, 900Ω	Industrial Circular Connector Female 6 Pin
Profibus/Modbus	Profibus DP	9 Way D Type IP67
Relays	5A max, 50V DC	Industrial Circular Connector Female 6 Pin



Typical Setup

## Calibration Period

6 Months using Calibration Kit available from Multisensor Systems

## Consumables

### Every 6 Months

Active Carbon Air Filter Contents  
Dust Filter Element

### Every 24 Months

Air Pump

Multisensor Systems Ltd  
Cheadle, UK

Tel: +44 (0)161 491 5600

Fax: +44 (0)161 491 1227

Email: [info@multisensor.co.uk](mailto:info@multisensor.co.uk)

Web: [www.multisensorsystems.com](http://www.multisensorsystems.com)