

Uniphos

3XX(M) Personal Gas Monitor



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The 3XX(M) is a compact, single gas, diffusion based personal gas monitor designed to monitor the work environment for dangerous levels of flammable and toxic gases. Equipped with a bright and easy to read OLED display, the gas concentration is continuously displayed, and user settable audio and visual alarms alert the user of dangerous levels of gas. With data logging available as standard, monitoring TWA and STEL limits is a breeze.

Some of the gases that can be detected and measured are:

- Oxygen
- Combustible gases like CH₄, CNG, LPG & many other generally encountered on the hazardous locations
- Toxic gases like CO, H₂S, SO₂, NO₂, Cl₂, HCN & many others encountered at hazardous locations

Features

- Advanced micro-controller based technology
- Bright OLED display
- Audio-visual alarms
- TWA and STEL alarms
- Auto data logging with User-Settable log time
- Replaceable Battery Pack
- USB connectivity

Applications

- Confined space entry
- Water/wastewater treatment
- Personal safety
- Refineries/ Petrochemical
- Chemical plants
- Utilities
- Oil/LPG tankers



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Specifications

Sensors: Electrochemical / Pellistor / Solid state / NDIR / PID

Accuracy: Inherently +/- 2% (but also depends on the calibration gas accuracy and calibration method)

Drift: Less than 2% of the signal per month at constant temperature and pressure.

Gas sampling: Diffusion

Alarms:

- User-Settable Lo Alarm comes with Visual Blue LED indication
- User-Settable Hi Alarm comes with 85Db Audio alarm and Visual Red LED indication with optional vibrational alarm
- TWA and STEL alarms can be provided

Data logging: As standard, with gas concentration, date & time

Power source: 7.4 V Li-ion rechargeable battery pack

Runtime: 7 - 8 hours when battery full charged.

Data Transfer/Print: USB (wired) communication from instrument to computer.

Function keys: 4-keys for basic operation/setting & calibration

Operating temperature: -10° to 50° C

Display: 8x2 Alphanumeric OLED display

Instrument Enclosure: ABS Plastic

Ingress Protection : IP 65

Size : Height = 130 mm

Width = 70 mm

Depth = 35 mm

Weight: Approx 300 grams

Certification:

1. CIMFR & CCOE (PESO) approval: Ex ib IIA IIB T4

2. CE

KwikAlert Gas Monitor Series

Gas Name	Model	Ordering Code	Range	Resolution	Sensor Technology
Ammonia	382M	EF000581	0-100 PPM	1 PPM	EC
Ammonia	382M	EF000582	0-1000 PPM	1 PPM	EC
Bromine	361M	EF001104	0-20 PPM	0.1 PPM	EC
Carbon Dioxide	325M	EF000583	0-5 % V/V	0.01 % V/V	NDIR
Carbon Disulphide	321M	EF000721	0-50 PPM	1 PPM	PID
Carbon Monoxide	320M	EF000580	0-1000 PPM	1 PPM	EC
Carbon Monoxide	320M	EF000677	0-2000 PPM	1 PPM	EC
Carbon Monoxide	320M	EF000712	0-200 PPM	0.1 PPM	EC
Chlorine	360M	EF000579	0-20 PPM	0.1 PPM	EC
Formaldehyde	398M	EF000637	0-10 PPM	0.1 PPM	EC
Hydrocarbon	399M	EF000537	0-100 % LEL	1% LEL	Pel.
Hydrocarbon	399M	EF000732	0-100 % V/V	1 % V/V	NDIR
Hydrogen	390M	EF000607	0-1000 PPM	1 PPM	EC
Hydrogen	390M	EF000674	0-100 % LEL	1 % LEL	Pel.
Hydrogen Chloride	370M	EF000719	0-20 PPM	0.1 PPM	EC
Hydrogen Cyanide	375M	EF000727	0-100 PPM	1 PPM	EC
Hydrogen Cyanide	375M	EF001057	0-30 PPM	0.1 PPM	EC
Hydrogen Fluoride	372M	EF000565	0-10 PPM	0.1 PPM	EC
Hydrogen Sulphide*	330M	EF000608	0-20 PPM	0.1 PPM	EC
Hydrogen Sulphide	330M	EF000481	0-100 PPM	1 PPM	EC
Hydrogen Sulphide	330M	EF000638	0-100 PPM	0.1 PPM	EC
Hydrogen Sulphide*	330M	EF000661	0-200 PPM	1 PPM	EC
LPG	399M	EF000757	0-1000 PPM	1 PPM	SS
Mercaptan	335M	EF000646	0-20 PPM	0.1 PPM	EC
Methyl Bromide	351M	EF000588	0-200 PPM	1 PPM	SS
Nitrogen Dioxide	381M	EF000671	0-20 PPM	0.1 PPM	EC
Oxygen	310M	EF000538	0-25 % V/V	0.1 % V/V	EC
Ozone	315M	EF000641	0-1 PPM	0.01 PPM	EC
Phosgene	355M	EF000799	0-1 PPM	0.01 PPM	EC
Phosphine	350M	EF000536	0-20 PPM	0.01 PPM	EC
Sulphur Dioxide	340M	EF000636	0-20 PPM	0.1 PPM	EC
VOC (Isobutylene)	399M	EF001105	0-40 PPM	0.1 PPM	PID
VOC (Isobutylene)	399M	EF000584	0-1000 PPM	1 PPM	PID
VOC (Isobutylene)	399M	EF000756	0-4000 PPM	1 PPM	PID

* Kindly consult factory for more information

EC- Electrochemical, Pel. Pellister, NDIR: Non Dispersive, Infra Red, PID: Photo Ionization Detection

Note: For any other gases or ranges please contact us. Due to continuous improvement / up-gradation the gas list may be updated without notice.

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