

# 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 CH<sub>4</sub>, CNG, LPG & many other generally encountered on the hazardous locations
- Toxic gases like CO, H<sub>2</sub>S, SO<sub>2</sub>, NO<sub>2</sub>, Cl<sub>2</sub>, 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 with Ingress Protection

**Size :** Height = 130 mm

Width = 70 mm

Depth = 35 mm

**Weight:** Approx 300 grams

### Certification:

1. CIMFR & CCOE approval: Ex ib IIA IIB T4
2. CE

## KwikAlert Gas Monitor Series

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

\* Kindly consult factory for more information

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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