

Uniphos

3XX(M) Personal Gas Monitor



3XX(M) Personal Gas Monitor

The Uniphos 3XX(M) is a newly designed Personal Gas Monitor capable of measuring a variety of toxic and flammable gases.

The 3XX(M) is a compact single gas, diffusion based personal 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 its 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 viz. CH₄, CNG, LPG & many other generally encountered on the hazardous locations
- Toxic gases viz. CO, H₂S, SO₂, NO₂, Cl₂, HCN & many other generally encountered on the hazardous locations

Features

- Advanced micro-controller based technology
- Accurate, portable & easy to use
- Soft power ON/OFF
- RTC with date and time setting provision
- Audio, visual indication and optional vibrational alarm
- Auto data logging with user setting for log time
- Replaceable Battery
- USB connectivity



Applications

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

3XX(M) Personal Gas Monitor

Specifications

Sensors: Electrochemical / Pellistor / Solid state / NDIR

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 type

Alarm set point: Two alarm set point viz. Low and High which are user settable.

Alarm set point:

- Visual Blue LED indication for Low alarm
- Visual Red LED along with optional Vibrational alarm for High alarm

Data Storage: Can store data records with date, time, gas concentration.

Power source: 7.4 V, 1150 mAh Li-Ion rechargeable battery.

Runtime: 7 - 8 hours when battery full charged.

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

Function keys: Up, Down, Set & Enter

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

Model	Gas	Range	Resolution
Uniphos-310(M)	O ₂	25 % V/V	0.1 % V/V
Uniphos-315(M)	O ₃	1 PPM	0.01 PPM
Uniphos-320(M)	CO	1000 PPM	0.1 PPM
Uniphos-320(M)	CO	2000 PPM	0.1 PPM
Uniphos-320(M)	CO	200 PPM	0.1 PPM
Uniphos-321(M)	CS ₂	50 PPM	1 PPM
Uniphos-325(M)	CO	25 % V/V	0.01 % V/V
Uniphos-325(M)	CO ₂	100 % V/V	1 % V/V
Uniphos-330(M)	H ₂ S	20 PPM	0.1 PPM
Uniphos-330(M)	H ₂ S	100 PPM	1 PPM
Uniphos-330(M)	H ₂ S	100 PPM	0.1 PPM
Uniphos-330(M)	H ₂ S	200 PPM	1 PPM
Uniphos-335(M)	C ₂ H ₅ SH	20 PPM	0.1 PPM
Uniphos-340(M)	SO ₂	20 PPM	0.1 PPM
Uniphos-350(M)	PH ₃	20 PPM	0.01 PPM
Uniphos-351(M)	MBr	200 PPM	1 PPM
Uniphos-355(M)	Phosgene	1 PPM	0.1 PPM
Uniphos-360(M)	Cl ₂	20 PPM	0.1 PPM
Uniphos-361(M)	BR ₂	20 PPM	0.1 PPM
Uniphos-370(M)	HCl	20 PPM	0.1 PPM
Uniphos-372(M)	HF	10 PPM	0.1 PPM
Uniphos-375(M)	HCN	100 PPM	1 PPM
Uniphos-375(M)	HCN	30 PPM	0.1 PPM
Uniphos-381(M)	NO ₂	20 PPM	0.1 PPM
Uniphos-382(M)	NH ₃	100 PPM	1 PPM
Uniphos-382(M)	NH ₃	1000 PPM	1 PPM
Uniphos-390(M)	H ₂	1000 PPM	1 PPM
Uniphos-390(M)	H ₂	100 % LEL	1 % LEL
Uniphos-394(M)	C ₂ H ₄ (Ethylene)	200 PPM	1 PPM
Uniphos-398(M)	HCHO	10 PPM	0.1 PPM
Uniphos-399(M)	HC	100 % LEL	1 % LEL
Uniphos-399(M)	HC	100 % V/V	1 % V/V
Uniphos-399(M)	CNG	1000 PPM	1 PPM
Uniphos-399(M)	LPG	1000 PPM	1 PPM
Uniphos-399(M)	C ₃ H ₈ (Propane)	100 %LEL	1 % LEL
Uniphos-399(M)	VOC	40 PPM	1 PPM
Uniphos-399(M)	VOC	1000 PPM	1 PPM
Uniphos-399(M)	VOC	4000 PPM	1 PPM

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

gasdetection@uniphos-envirotronic.com | www.uniphos-she.com



Marketing Office:
Uniphos Envirotronic Pvt. Ltd
Readymoney Terrace, 167,
Dr. Annie Besant Road, Worli,
Mumbai 400 018, India.
Tel. : +91 (22) 6123 3500
Fax : +91 (22) 2497 8119

Manufactured By:
Uniphos Envirotronic Pvt. Ltd
P.O. Nahuli - 396 108,
Tal. Umbergaon,
Dist: Valsad, Gujarat, India
Tel. : +91 99099 94042
+91 75748 39945



Safety & Environmental Monitoring Solutions

