



PERSONAL GAS MONITOR



3XX(M) PERSONAL GAS MONITOR

We are pleased to present the newly designed Personal Gas Monitor Uniphos - 3XX(M), for measuring various toxic and flammable gases for personal.

Uniphos - 3XX(M) is a microcontroller based personal gas monitor, which employs gas sensor and advanced electronics circuit. Sensor when exposed to target gas produce an electrical signal proportional to the concentration of gas.

This signal is processed, digitized and shown on the alphanumeric OLED display of the instrument

- 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

SALIENT FEATURES:

- Advanced microcontroller based technology
- Accurate, Handy and easy to use
- Soft power ON/OFF
- RTC with date and time setting provision
- Provides audio, visual indication and optional vibrational alarm
- Auto data logging with user settable log time
- On-board memory, stores up to 3000 test results along with date-time stamp
- Separate battery compartment for battery replacement
- USB and BT communication with computer and printer

APPLICATION AREAS

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

SPECIFICATIONS

Sensors: Electrochemical/Pellistor/Solid state/NDIR

Range: Annexure - I

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

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

Resolution: Annexure - I

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 upto 3000 records with date, time, gas concentration.

Power source: 7.4 V, 1500 mAh Li-ion rechargeable battery.

Runtime: 7 - 8 hours when battery full charged.

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

Function keys: UP, DOWN, SET & ENTER

Operating temperature: -10⁰ to 50⁰ 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

ANNEXURE - 1

Sr. No.	Gas Name	Model No.	Range	Resolution
1	Oxygen	UNIPHOS-310(M)	0 - 25%V/V	0.1%V/V
2	Carbon Monoxide	UNIPHOS-320(M)	0 - 1000PPM	1PPM
3	Carbon Dioxide	UNIPHOS-325(M)	0 - 5%V/V	0.01%V/V
4	Hydrogen Sulphide	UNIPHOS-330(M)	0 - 100PPM	1PPM
5	Sulphur Dioxide	UNIPHOS-340(M)	0 - 20PPM	0.1PPM
6	Phosphine	UNIPHOS-350(M)	0 - 20PPM	0.1PPM
7	Phosgene	UNIPHOS-355(M)	0 - 1PPM	0.01PPM
8	Chlorine	UNIPHOS-360(M)	0 - 20PPM	0.1PPM
9	Hydrogen Chloride	UNIPHOS-370(M)	0 - 20PPM	1PPM
10	Hydrogen Cyanide	UNIPHOS-375(M)	0 - 100PPM	1PPM
11	Nitrogen Dioxide	UNIPHOS-381(M)	0 - 20PPM	0.1PPM
12	Ammonia	UNIPHOS-382(M)	0 - 100PPM	1PPM
13	Ammonia	UNIPHOS-382(M)	0 - 1000PPM	1PPM
14	Hydrogen	UNIPHOS-390(M)	0 - 1000PPM	0.1PPM
15	Formaldehyde	UNIPHOS-398(M)	0 - 10PPM	1PPM
16	Combustible gases	UNIPHOS-399(M)	0 - 100%LEL	1%LEL

Note:

For any other gases or ranges please contact us.

Due to continuous improvement/up-gradation the gas list may be updated without notice.

Authorised Partner

Anodyne Water Engineering Co. Pvt. Ltd.
Head Off: Plot No. 340, HSIIDC Industrial Estate, Rai
Sonapat, Haryana - 131029
Tel: +91-8950430340 / 8950431340
Email: info@anodyne.in ; csales@anodyne.in
Web: www.anodyne.in



Manufactured By

Uniphos Envirotronic Pvt. Ltd
P.O. Nahuli - 396 108, Tal. Umbergaon
Dist: Valsad, Gujarat, India
Tel: +91(260) 2730156/57/58
Email: gasdetection@uniphos.com
Web: www.uniphos-she.com
www.uniphosamericas.com