



## UNIPHOS PRO

### Uniphos Pro

Uniphos Pro is a microprocessor based hand-held instrument, which employs Electrochemical/ Pellistor/ NDIR/Solid state sensor. This gas sensor when exposed to target gas produce an electrical signal proportional to the concentration of target gas. Further this signal is processed, digitized and shown on alpha-numeric OLED display of the instrument.

#### SALIENT FEATURES:

- Advanced micro-processor based technology
- Soft power ON/OFF
- Accurate, Handy and easy to use
- Easy to replace removable battery compartment
- Powerful inbuilt air sampling pump (30 m sample draw capability) for remote sampling.
- On-board memory, stores test results along with date and time stamp
- USB based communication with Computer



#### APPLICATIONS:

- Refineries
- Chemical industries
- Pharma industries
- Industrial Safety

#### SPECIFICATION:

Sensors	Electrochemical/NDIR/PID/Solid state sensor	
Range & Resolution	Annexure 1	
Accuracy	Inherently +/- 2% FS (but also depends on the calibration gas & method)	
Drift	less than 2% of the signal per month at constant temperature and pressure.	
Sampling modes	Draws Gas sample on continuous basis. Pump remains ON till SET key is pressed to stop sampling.	
Alarm set point	One user settable alarm set point(for low range detectors)	
Data Storage	Provision to store test records with gas conc. and alarm set points along with date and time	
Power source	7.4V mAh Li-ion rechargeable battery pack	
Inbuilt Pump	Flow rate - 400 to 800 ml/min	Power - 3.5V DC, 60 mAh



## SPECIFICATION:

Runtime	About 6 - 8 hours		
Data Transfer	USB communication for data transfer from instrument to computer		
Function keys	UP, DOWN, SET & ENTER		
Operating temperature	-10 C to 50 C		
Display	Large 20 X 4 Alphanumeric OLED		
Instrument Enclosure	High Impact ABS		
Size	Height = 190 mm	Depth = 40 mm	Width1 = 110 mm      Width2 = 65 mm
Weight	500 gms		
Accessories	Dust filter, Battery charger, Data downloading cable and outlet coupler.		

## Annexure - 1

Gas Name	Model No.	Range	Resolution
Oxygen	UNIPHOS-210(PM)	0 - 25%V/V	0.1%V/V
Carbon Monoxide	UNIPHOS-220(PM)	0 - 1000PPM	1 PPM
Carbon Dioxide	UNIPHOS-225(PM)	0 - 5%V/V	0.01%V/V
Carbon Dioxide	UNIPHOS-225(PM)	0 - 100%V/V	1%V/V
Carbon Dioxide	UNIPHOS-225(PM)	0 - 5000 PPM	10 PPM
Hydrogen Sulphide	UNIPHOS-230(PM)	0 - 100PPM	1PPM
Sulphur Dioxide	UNIPHOS-240(PM)	0 - 20PPM	0.1PPM
Chlorine	UNIPHOS-260(PM)	0 - 20PPM	0.1 PPM
Hydrogen Chloride	UNIPHOS-270(PM)	0 - 20PPM	0.1 PPM
Hydrogen Floride	UNIPHOS-272(PM)	0 - 10 PPM	0.1 PPM
Ammonia	UNIPHOS-282(PM)	0 - 100PPM	1 PPM
Ammonia	UNIPHOS-282(PM)	0 - 1000PPM	1 PPM
Hydrogen	UNIPHOS-290(PM)	0 - 1000 PPM	1 PPM
Formaldehyde	UNIPHOS-298(PM)	0 - 10PPM	1 PPM
Combustible gas	UNIPHOS-299(PM)	20 - 10000 PPM	1 PPM
Combustible gas	UNIPHOS-299(PM)	0 - 100%LEL	1 %LEL
Combustible gas	UNIPHOS-299(PM)	0 - 100%V/V	1 %V/V
VOC	UNIPHOS-299(PM)	0 - 1000 PPM	1 PPM
VOC	UNIPHOS-299(PM)	0 - 4000 PPM	1 PPM



For any other gases or ranges, please contact us.  
Due to continuous development, we reserve the right to change specifications without prior notice.



Safety & Environmental Monitoring Solutions



IND17.5449/U/Q

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