



UNIPHOS UNIPHOS ENVIROTRACK

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Uniphos Envirotrack is a microprocessor based portable instrument that measures the Ambient Air pollutants. The hazardous pollutants namely SO_2 , NO_2 , O_3 , NH_3 , Cl_2 are measured in ppb levels by an impinger based sampling and followed by calorimetric absorption method.

In the analysis, the sample (Ambient) air containing the pollutants are scrubbed in a solution specific to the pollutant through a Peltier cooled air sampler (accessory) into Impingers. The pollutant gas dissolves in the gas specific chemical, and further it is processed to produce a colored dye. The absorbance of this colored dye is then measured and target gas concentration is inferred in ppb.



SALIENT FEATURES:

- Portable with rechargeable Battery
- Standard Impinger technique for sample preparation
- A compact Peltier cooled Air Sampler for efficient scrubbing of Air pollutants.
- Drastic reduction in reagents and sample in comparison to conventional lab method
- Quick Analysis of sample in <5 minutes

SENSOR SPECIFICATIONS:

Light Detector	Silicon Photodiode
Detector Life	50,000 hours
Operating Temperature	0 to 50°C (32 to 122 °F)



Instrument Specifications:

Measuring Principle	Absorption Method	
Measurement Range	Target Gas	Range (ppb)
	Sulphur dioxide (SO ₂)	10 - 1050
	Nitrogen dioxide (NO ₂)	10 -700
	Ammonia (NH ₃)	25 -1000
	Ozone (O ₃)	10 -1000
	Chlorine (Cl ₂)	10 -1500
Resolution	1 ppb for all the gases	
Accuracy	± 10 % of reading for all the gases	
Calibration Interval	6 months	
Physical Dimensions	Length	21.5 cm
	Width	16.5 cm
	Height	9.5 cm
	Weight	0.87 Kg
Power Requirements	Battery Operated -7.6 V	
Accessories	Cuvettes (1pair), Charger, USB Cable, Air Sampler	

Uniphos Air Sampler

SALIENT FEATURES:

- Battery operated device
- 3 Peltier cooled Impingers for simultaneous sampling of three gases.
- 3 sampling pumps (0 to 0.8 LPM) and a rotameter for measuring of flow.
- 3 needle valves for independent control of flow for each Impinger tube.
- A microprocessor based electronic timer (0 to 24 Hrs).



Due to continuous development, we reserve the right to change specifications without prior notice.



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