

FUMIGATION DUAL GAS MONITOR

FUMISENSE



The UNIPHOS FUMISENSE is a microprocessor based dual gas monitor for field determination of fumigation concentrations of Phosphine and Methyl Bromide.

FEATURES

- Advanced microprocessor based technology
- Dual gas variant for Methyl Bromide and Phosphine monitoring
- Inbuilt sample draw pump
- Individual flow paths for PH_3 and MBr
- Alphanumeric display with back light
- Data logging with a capacity of 500 values
- RS-232 interface to a serial printer or PC



United Phosphorus Limited

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SPECIFICATIONS

Sensor:

Methyl Bromide: Thermal Conductivity
Phosphine: Electrochemical

Range:

Methyl Bromide: 0-5% v/v, 0-200 mg/l, and 0-200 ounce/cubic feet
Phosphine: 0-2000 ppm

Resolution:

Methyl Bromide: 0.01%, 1mg/l, 1 ounce/cubic feet
Phosphine: 1 ppm

Display and function keys:

Backlit 16 x 2 Alphanumeric LCD display with auto switch-off feature. LEDs indicate status of power and sampling for increment, decrement, settings.

Alarms:

85 dB audio buzzer and visual LEDs

Power source:

14.8 V / 4 AH Li-ion Rechargeable battery pack.

Gas Sampling:

Internal sample draw diaphragm pump, 500-1000 ml/min

Enclosure: ABS, Wt. 1030 g

Dimensions: H x W x D: 110 x 210 x 230 mm

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Methyl Bromide and Phosphine are highly effective fumigants used to control a number of pests such as

insects, nematodes, rodents, weeds, pathogens and disease causing organisms in a wide range of agricultural and horticultural crops, and in wood products. Their primary applications are for quarantine treatments, soil fumigation and post harvest protection.

It is very important to determine the concentration of the fumigant during the fumigation process. There can be a loss of fumigant due to absorption or leakage and steps will have to be taken to ensure fumigation is adequate. It may mean resealing the enclosure, adding more fumigant or increasing the exposure period. To ensure the efficacy of fumigation it is essential to monitor the Methyl Bromide/Phosphine concentration within the fumigation cover.

The FUMISENSE is an accurate and durable instrument developed specifically for fumigation monitoring.

No single instrument can measure the fumigants at both parts per million-level and percentage level required for different applications.

United Phosphorus Limited however has developed both electronic and chemical detector tubes to cover all the application needs. Our electronic instruments are microprocessor based and uses the most advanced technology. Our detector tubes are comparable to the best in the market.



UNIPHOS PH₃/ MBR
Gas Detectors



UNIPHOS PH₃/ MBR
Gas Detector Tubes

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



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