

## Methyl Bromide Leak Detector

**UNIPHOS-251PM**



The UNIPHOS 251PM is a microprocessor based portable instrument, which detects the presence of Methyl Bromide Gas in the fumigation area.

### FEATURES

- Advanced microprocessor based technology
- Audio and visual alarms
- User defined alarm set points
- Detects Methyl Bromide gas in the range of 0-200 ppm
- Powerful inbuilt air sampling pump for remote sampling
- Real time clock with provision for setting date and time
- Alphanumeric display with back light
- Soft touch membrane key board



**United Phosphorus Limited**

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## UNIPHOS-251 PM

### SPECIFICATIONS

**Sensor:**

Solid state

**Range:**

0 - 200 ppm

**Resolution:**

1 ppm

**Display:**

16 x 2 Alphanumeric LCD display with backlight

**Alarms:**

85 dB audio buzzer and visual LEDs

**Power supply:**

4.8 V / 1200mAh Ni-MH rechargeable battery pack

**Load:**

4.8 VDC / 180 mA

**Gas Sampling:**

Sample draw with Inbuilt air sampling pump

**Pump:**

Diaphragm pump, flow rate 300-500 ml/min

**Front Panel Function Keys:**

Increment, Decrement, Set & Enter

**Enclosure:** Mild Steel**Weight:** 1030 grams**Dimensions:**

Height = 90mm

Width = 110mm

Depth = 170mm

**Standard Accessories:**

Battery charger (150 mA constant current output  
230V, 50 Hz power supply.

### UNIPHOS - 251PM

Methyl Bromide is a highly effective fumigant 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. Its primary applications are for quarantine treatments, soil fumigation and post harvest protection.

However, Methyl Bromide is highly toxic to humans and animals. It is a colorless, tasteless, non-flammable gas which is odorless except at extremely high concentrations. As Methyl Bromide is a gas at room temperature, poisoning by inhalation is most common. Acute exposure can cause chemical burns of the skin, severe lung irritation, and cumulative damage to kidney, heart and nervous systems. The effects may be fatal.

It is absolutely necessary to closely monitor the fumigation area to prevent worker exposure to Methyl Bromide.

The UNIPHOS-251 PM Methyl Bromide detector is precisely meant for this application. This accurate and highly sensitive portable instrument employs the most advanced microprocessor based technology for rapid determination of the presence of Methyl Bromide in fumigation areas. With a detection level of 1 ppm (MBr TLV 5 ppm) the instrument is very useful in preventing worker exposure to the toxic gas.



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

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