

PORTABLE GAS MONITOR/ANALYZER

(MODEL : SME-1001M)

Model SME-1001M is Portable Single/Dubel Gas Detectors are capable of detecting Oxygen, Toxic, and Combustible gases making them ideal for use in various environments. Compact, Light Weight Intelligent Unit with Application Specific Sensors Sensitive to PPB / PPM Or V/V age levels of Gases & Vapors.

FEATURES

- Complete Automatic Operation.
- LCD Display
- Continuous Diffusion / Suction Sampling
- Confidence Beep every 15 seconds.
- Complete self Integrity check on start
- Automatic Calibration.
- Display of WARN & ALARM
- Low battery Alarm.



The advanced Micro controller technology employed makes these Gas Monitors are highly dependable, reliable and accurate. The complete automatic operation and calibration feature leaves no scope for user error.

These Compact, self contained and intrinsically safe designed instrument housed in a weather proof high impact plastic case are powered with a rechargeable Lithium 3.7V Dc battery.

On switching 'ON', the instrument goes through its complete self integrity check, and displays factory set Warn and Alarm values before indicating 'Ready' for monitoring.

While in Operation, the instrument monitors the work place continuously giving the latest update concentration of designated Gas through diffusion sampling. Suction sampling is possible with an optional manual or battery operated pump and adaptor. The poison resistant Pellister or long life, integrally mounted electrochemical Sensors with inbuilt cross interference filters are gas specific. Optionally the sensors can be mounted on an extension cable for monitoring inaccessible locations before entry.

The instruments emits an audible beep every 15 secs that provides confidence to the user that he is well protected. Audio, Visual also Warn and Alarms protect him from hazardous situations.

The Warn and Alarm Values are factory set. Low Battery Alarm alerts the user to replace or recharge the Battery. Special features like maximum exposed concentration and TWA readings can be incorporated optionally.

Administrative & Sales Office: 49,Orchid Plaza, Near S.B.I bank, R.T Road, Dahisar (E),Mumbai-400068

Webstie: www.soarmlich.in

| Email: info@soarmlich.in

SPECIFICATION

| | |
|----------------------|---------------------------------------|
| Overall Ranges : | PPB / PPM / V/V & LEL |
| Sampling Method : | Diffusion (D) or Suction (S) |
| Principle : | Specific to Application |
| Sensor Life : | 2 - 5 years |
| Measurement : | Continuous. |
| Readout : | 128 X 64 graphics LCD . |
| Resolution : | 0.1 or 1 PPM / % as applicable. |
| Accuracy : | +/- 2 % & 0.5% for oxygen. |
| Repeatability : | +/- 1 %. |
| Response Time : | < 10 seconds at 95 % variation. |
| Alarms : | Low & HI Visual and Audible |
| Low Battery Alarms : | Audio & Visual. |
| Power Supply : | 3.7 V DC Lithium Rechargeable Battery |
| Battery Life : | 6 to 8 hours. |
| Housing : | High Impact Plastic. (ABS) |
| Size & Weight : | 115(H) X180(L) X 60(D); 300 GM. |
| Temperature Range : | 0 - 55°C. |
| Warranty : | One year. |

GASES DETECTED AND RANGES

| | | | |
|-------------------------------------|------------------------------|-----------------------|-------------------------|
| 1. CO | 0 - 50/4000 PPM / 10% | 11. HBr | 0 - 10/100 PPM |
| 2. H ₂ S | 0 - 50/2000 PPM & 1- 100%V/V | 12. N ₂ | 0 - 25%/100% V/V |
| 3. SO ₂ | 0-20/500 PPM | 13. HCN | 0 - 10/100 PPM |
| 4. NH ₃ | 0 - 50/200 PPM | 14. PH ₃ | 0 - 5/ 2000 PPM |
| 5. NO | 0 - 50/2000 PPM | 15. COCl ₂ | 0 - 1 PPM |
| 6. NO ₂ | 0 - 3/100 PPM | 16. H ₂ | 0 - 500PPM & 0-100% V/V |
| 7. Cl ₂ | 0 - 3/2000 PPM | 17. ORG. Vap/VOC. | 0 -10/1000 PPM |
| 8. O ₂ | 0 - 25/100 %V/V | 18. Comb Gases | 0 - 100 % LEL & 0-4%V/V |
| 9. Br ₂ / F ₂ | 0 - 3/100 PPM | 19. Helium | 0 - 500PPM & 0-100% V/V |
| 10. HCl/HF | 0 - 3/100 PPM | 20. Co ₂ | 0 - 25 TO 100% V/V |

ORDERING INFORMATION

SME-1001M - CO, 100, S
Gas _____
Range _____
Sampling _____

OTHER RANGE OF PRODUCTS

Gases and Ranges are only indicative . Contact Soar Mlich Engineers for special gas / vapor of different ranges.

Ultrasonic leak Detectors & Systems, Gas Analyzer, Dust Particulate Monitors, Broken bag filter detection, Dew Point / Moisture Analyzers, Energy Monitoring Systems, Web based database and analysis software.