

## PORTABLE GAS MONITOR

COMPACT, LIGHT WEIGHT INTELLIGENT UNIT WITH A BROAD SPECTRUM OF FEATURES TO  
DETECT TOXIC GASES/O<sub>2</sub> DEFICIENCY/HYDROCARBONS

# SMART GAS MONITOR

MODEL NO. : SME-PGM-HC

The advanced micro-controller technology employed makes these alert meters highly dependable, reliable and accurate. The complete automatic operation and calibration feature leaves no scope for user error. It has inbuilt Alarm with Vibration. These compact, self contained and intrinsically safe designs are housed in a weather proof and dust resistant high impact plastic.



SME-PGM-HC Smart Gas Monitor

### SPECIAL FEATURES

- Compact size helps you carry it in hand/pocket
- Rechargeable Battery
- Graphic Display
- Inbuilt Alarm with Vibration
- Adjustable Alarm Setting
- Auto zero with fresh air as sample gas
- 4 Key Operation

### APPLICATIONS

- Refineries
- Petrochemicals
- Oil and gas
- Pharmaceutical
- Steel
- Fertilizers
- Process industries

## SPECIFICATIONS

Type	: Portable, Smart, Pocket size
Detectable gases / parameters	: Toxic gases, oxygen
Electronics / processor	: Micro-controller
Power supply	: 3.7 V DC Rechargeable Li-ion battery
Display	: 128 * 32 Graphic display
Alarm	: LOW & HI (Inbuilt low battery alarm with Vibration)
Technology / Sensor	: Electrochemical
Resolution	: 1 PPM or 0.1 PPM / %V/V
Accuracy	: ± 2% of Range / For O2 : 0.5 % of Range
Response time	: Less than 30 sec
Operating temperature	: 0 to 55 °C
Sampling	: Diffusion
Housing	: High Impact ABS
Accessories	: 230 VAC, 50 Hz Charger
Sensor life	: Approx. 2 - 3 years
Measurement	: Continuous
Relative humidity	: 0 - 95 % Rh
Dimensions	: 109 x 65 x 25 mm
Weight	: 125 gm

## GASES AND RANGES

1. H <sub>2</sub>	: 0 - 100%	LEL	7. HC	: 0 - 100%	LEL
2. CH <sub>4</sub>	: 0 - 100%	LEL	8. NO <sub>x</sub>	: 0 - 1000	PPM
3. C <sub>2</sub> H <sub>6</sub>	: 0 - 100%	LEL	9. NH <sub>3</sub>	: 0 - 1000	PPM
4. LPG	: 0 - 100%	LEL	10. O <sub>2</sub>	: 0 - 25 / 0 - 100	%V/V
5. CNG	: 0 - 100%	LEL	11. SO <sub>x</sub>	: 0 - 20 / 0 - 2000	PPM
6. C <sub>6</sub> H <sub>4</sub>	: 0 - 100%	LEL	12. O <sub>3</sub>	: 0 - 1000	µg/m <sup>3</sup>

## ORDERING INFORMATION

Model No  
2015

### GASES

O<sub>2</sub> / Toxic / O<sub>3</sub>

### RANGES

0 - 25 %V/V / 0 - 1000 PPM / µg/m<sup>3</sup>

Note : Images shown are indicative onl. Specifici cations an eatures will vary with applicication. There may be changes overtime o cono continu velopment process.  
@ 2018



## Soar Mlich Engineers

Office & Works : 49,Orchid Plaza, Near S.B.I Bank, R.T Road, Dahisar (E)  
Mumbai - 400 068, Maharashtra, India. | Tel.: +91-7977304808  
Email : info@soarmlich.in  
Website : www.soarmlich.in