

## PORTABLE GAS MONITOR

### SA - SERIES, SINGLE & MULTI-GAS DETECTORS FOR OXYGEN, COMBUSTIBLE & TOXIC GASES

# SA - SERIES

## GAS DETECTOR



These devices are portable and IP54 for single gas detector & IP66 for multi gas detector and CE certified which can also be used as a fixed type. The detectors are used for safety application for sensing leak / absences of gases. These detectors employ the gas specific sensor for single as well as different combination of gases.

#### SPECIAL FEATURES

- Handy and light weight
- Instant direct simultaneous display reading
- LCD or LED Digital display with battery indication
- CE marking
- 3.7V charger
- Inbuilt alarm light & buzzer

#### APPLICATIONS

- Underground coal mines
- Municipal & Environmental protection agencies
- Industrial gas manufacturing
- Fertilizer plants, Heat treatment
- Petrochemical, Petroleum, Biogas industry and many more...

## SPECIFICATIONS

Type	: Portable / handheld
Electronics / processor	: Micro-controller
Power supply	: 5 V Rechargeable battery operated ( 1500 mAH )
Display	: Graphic LCD & LED for combustible gases
Alarm	: Sound, light alarm
Technology	: Catalytic, Electrochemical
Range	: % V/V, %LEL, PPM
Resolution	: 1% LEL, 1 PPM, 0.01 - 0.1% V/V
Accuracy	: $\pm 2$ % of FS
Response time	: T90 : $\leq 20$ sec (% V/V), $\leq 20$ sec (% LEL), $\leq 45$ sec (PPM)
Operating temperature	: -25 - 55 °C (Short time for -40 to -55 °C)
Sampling	: Diffusion (Optional suction pump)
Housing	: ABS plastic enclosure
Accessories	: Leather cover, Battery charger
Optional accessories	: Gas sampling pump, 1.2 m Rubber hose, Dust proof filter
Continuous operating hours	$\leq 12$ hours
Alarm sound Intensity	: 75-80dB
Charger Input	: 110-240 V, 50-60 Hz
Charging time	: 4-5 hours

## GASES AND RANGES

### SINGLE GAS

1. CO	: 0 - 1000 PPM
2. O2	: 0 - 30 %V/V
3. H2S	: 0 - 100 PPM
4. Combustible gases	: 0 - 100 %V/V

### MULTI GAS

1. CH4	: 0 - 5 / 0 - 100 %V/V / %LEL
O2	: 0 - 30 %V/V
2. O2	: 0 - 30 %V/V
CO	: 0 - 1000 PPM
3. CH4	: 0 - 5 / 0 - 100 %V/V / %LEL
O2	: 0 - 1000 PPM
CO	: 0 - 30 %V/V
H2S	: 0 - 100 PPM

Note : Images shown are indicative only. Specifications and Features will vary with application. There may be changes overtime due to continuous development process.  
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