

PORTABLE MULTI GAS DETECTOR

Gas-Max

A rugged portable multi gas detector with a compact and affordable design meant to withstand harsh environments.



A rugged portable multi gas detector with a compact and affordable design meant to withstand harsh environments. Developed with User-Centered Design Process to make the device interface and handling highly intuitive. The bright color LCD display with loud alarms and vibrations is helpful in a noisy environment. The rugged anti-static exterior provides accurate reading even when exposed to temperatures ranging from -20°C to +60°C and humidity ~95% RH.

The small and lightweight package can host up to 4 gas sensors. The standard 4 gas combination includes CO, H₂S, Methane, and O₂. The other gases supported being NO₂, SO₂, CL₂, NH₃, and many more.

It is designed and tested to meet global IS standards, ensuring safe operations in hazardous environments.

KEY FEATURES

Alarms

Light, Sound, Vibration

Ultra-rugged

IP67

Sensor range

O₂, H₂S, CO, NO₂, SO₂, ClO₂, CL₂, HF, O₃, NH₃, H₂, PH₃, HCN, Methane

Humidity

10%-95% RH (no condensation)

Battery

1300 mAh (Rechargeable)

TECHNICAL DATA

Main characteristics

Sampling Method	Natural Diffusion
Display	TFT Color LCD Screen
Sensor type	Electrochemical, Catalytic combustion
IP Protection	IP67
Warranty	2 Years
Battery	1300 mAh, last up to 8 to 10 hrs in normal conditions
Response time	T90 < 30S
Sensor Range	Methane (0-100%LEL) O2 (0-30%VOL) H2S (0-100 ppm) CO (0-500 ppm) NO2 (0-20 ppm) SO2 (0-20 ppm) CL2 (0-50/200 ppm) NH3 (0-500 ppm) H2 (0-1000 ppm) PH3 (0-10 ppm) ClO2 (0-50 ppm) HCN (0-50 ppm) O3 (0-100 ppm) HF (0-10ppm)
Humidity range	10%-95% RH (no condensation)
Data Logging	Yes, Up to last 1000 Events Note: Required software and communication cable (Optional Accessory)

Physical characteristics

Size	123.88x65x50.7 mm (L*W*H)
Alarm Methods	Sound, Light, and Vibration
Weight	182 gms
Charger	USB powered DC 5V
Alarm Sound Intensity	65dB@25cms

Ranges, respective alarms and resolution details

Gas	Range Resolution Default Alarms (Low/High)
Hydrocarbon Gas	0-100% LEL 1% LEL 20/50 % LEL
Oxygen	0-30% V/V 0.1 % V/V 19.5% /23 % V/V

Ranges, respective alarms and resolution details (continued)

Hydrogen Sulphide	0-100 PPM 1 PPM 10/20 PPM
Carbon Monoxide	0-500 PPM 1 PPM 24/160 PPM
Nitrogen Dioxide	0-20 PPM 0.1 PPM 5/10 PPM
Sulphur Dioxide	0-20 PPM 0.1 PPM 5/10 PPM
Chlorine	0-50 & 0-200 PPM 1 PPM 5/10 PPM
Ammonia	0-500 PPM 1 PPM 50/150 PPM
Hydrogen	0-1000 PPM 1 PPM 50/150 PPM
Phosphine	0-10 PPM 0.1 PPM 5/8 PPM
Chloride Oxide	0-50 PPM 1 PPM 5/10 PPM
Hydrogen Cyanide	0-50 PPM 1 PPM 5/10 PPM
Ozone	0-100 PPM 1 PPM 10/20 PPM
Hydrogen Fluoride	0-10 PPM 0.1 PPM 2/5 PPM

ACCESSORIES

- Software and communication cable for data logging (optional)