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)

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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)

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