



Certified By
TUVINDIA



PORTABLE SINGLE/MULTI GAS DETECTOR

SMART SINGLE/MULTI-GAS DETECTOR FOR OXYGEN, COMBUSTIBLE & TOXIC GASES



Multi Gas Detector

Single Gas Detector

SA Series

Smart Gas Detector

A smart single/multi-gas detector is an advanced device designed to detect and monitor up to four gases simultaneously in various environments.

Its striking yellow and black color theme, along with durable construction, ensures it can withstand harsh treatment, accidental drops, and rough handling. This makes it a reliable companion for professionals in diverse work environments.

Safety is paramount and so the instrument includes audio-visual alarms, a high-contrast TFT screen that displays real-time gas levels, alarm status and battery indications.

SPECIAL FEATURES

- Modes of operation: Operator, Calibrator, Manager (with separate passwords)
- Multi-color LED indication for Power ON, Charging and Alarms with vibration
- In-built micro SD card for data storage
- Long battery life: Up to 12 hours of continuous operation
- IP66 certified for water and dust protection

APPLICATIONS

- Personal safety
- Confined space entry
- Fertilizer plants
- Heat treatment applications
- Oil and gas industries
- Biogas manufacturing plants
- Clean rooms
- Chemical industries
- Beverage industries
- Firefighters/Emergency response teams

Note : Images shown are indicative only. Specifications and Features will vary with application. There may be changes overtime due to continuous development process. @ 2026



ENDEE ENGINEERS PVT. LTD.

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SPECIFICATIONS

| | | |
|----------------------------|---|---|
| Type | : | Portable / handheld |
| Electronics / processor | : | Micro-controller |
| Power supply | : | Rechargeable battery, 3.6 V DC |
| Display | : | TFT display with backlight |
| Alarm | : | Audio-Visual alarm, Vibration |
| Technology | : | Catalytic, Electrochemical |
| Range | : | %V/V, %LEL, PPM |
| Resolution | : | 1% LEL, 1 PPM, 0.1% V/V |
| Accuracy | : | ±0.5% of FS for O2 & ± 2 % of FS for other gases |
| Response time | : | < 10 Sec and 30 Sec for T90 |
| Operating temperature | : | 0 - 55 °C |
| Sampling | : | Diffusion |
| Housing | : | ABS plastic enclosure |
| Accessories | : | Pouch, Battery charger, Calibration cap, Alligator clip |
| Continuous operating hours | : | Up-to 6 Hours |
| Alarm sound intensity | : | 75-80dB |
| Charger input | : | 110-240 V AC, 50-60 Hz |
| Charging time | : | 6-8 hours |
| Weight | : | Approx. 300gms with battery |
| Data logging | : | Inbuilt micro SD card |
| Data logging protocol | : | RS 232 |

GASES AND RANGES

| | | | | | |
|---------------------|---|--------------|---------|---|-----------------|
| 01. O2 | : | 0-25/30 %V/V | 03. H2S | : | 0-100/0-200 PPM |
| 02. Combustible Gas | : | 0-100 %LEL | 04. CO | : | 0-1000 PPM |

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