



## FIXED GAS MONITOR

IDEAL FOR METHANE, LPG/CNG, HYDROGEN, HYDRO CARBONS, HEXANE AND MANY MORE



### 1565

#### SINGLE / MULTI GAS ALARM SYSTEM

Endee Model 1565 is a state-of-the-art, economical, modular gas leak alarm system. It is expandable to any number of channels for continuous monitoring of single or multiple locations for leaks of toxic, smoke, or explosive gases. It is designed primarily to monitor high ambient gas conditions and is particularly useful for toxic gas monitoring of clean rooms or gas-free areas, where there is minimal possibility of the presence of other interfering gases. However, specific gas filters can be added to the sensors to reduce cross-sensitivity to undesirable background gases. It is a go/no-go type system with adjustable three-level alarms and is suitable for standard rack or panel mounting.

Each module or channel functions as a complete standalone instrument with its own visual alarms and relay outputs. The regulated power supply is provided by a centralized master power supply board. Each module is paired with an application-specific detector mounted at the designated location of interest. The detector senses the presence of gas through diffusion and responds to toxic, explosive gases, vapors, or smoke by producing a proportional change in its electrical characteristics.

This electrical change is electronically amplified and used to activate electronic switching circuits and relay contacts. Isolated relays with both NO and NC contacts are provided for alarm signaling and fault conditions. These relay contacts can be used to trigger remote alarms, increase ventilation, shut off gas supplies, or initiate process shutdowns as required.

In suction-based sampling systems, the sensor detectors are designed with robust construction and are housed in weatherproof or explosion-proof enclosures. They are engineered for long-term, reliable operation under normal industrial conditions.

When a sensor detects gas or vapor concentration exceeding the first preset threshold, the corresponding alarm LED is activated. As the concentration increases further, additional alarm LEDs are progressively triggered. This multi-level alarm arrangement enables users to quickly identify the affected area and clearly assess the severity of gas concentration levels.

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



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## SPECIAL FEATURES

- Modular construction
- Single / multipoint monitoring
- Explosive gas, monitoring system
- Three level concentration and fault alarm
- Power on LED, visual and audible alarm facility

## SPECIAL FEATURES

- Remote alarm capability
- Reliable solid state circuitry
- Maintenance free fail safe operation
- Long life solid state / catalytic sensor
- Test points for alarm settings
- Optional analog or digital meter
- Weather proof or explosion proof detectors

## WORKING

Operating from either 230V AC or 24V DC, this model continuously monitors for toxic, smoke or explosive gases or vapours in the atmosphere surrounding each sensor, wherever located. It will respond to parts per million levels or lower explosive levels (as per calibration) of hydrocarbons and many toxic gases & vapours. Each detector & module circuit is collectively calibrated & internally adjusted to alarm at preset threshold. Test points on each channel are provided to check the integrity of alarm level settings.

## SPECIFICATIONS

Type	:	Fixed
Detectable gases / parameters	:	Explosive Gases
Electronics / processor	:	Analog
Power supply	:	230 V AC or 24 V DC
Display	:	LED Indication
Alarm	:	Fault LOW, HIGH & VERY HIGH visual alarms / Audio
Output	:	Relays
Technology	:	Solid state, Catalytic Pellister
Accuracy	:	± 2%
Response time	:	Less than 30 sec
Operating temperature	:	0 to 55 °C
Sampling	:	Remote diffusion
Housing	:	3U Height, Aluminum rack mounting, half rack for up to 4 channels and full rack up to 8 channels.
Accessories (optional)	:	Cable, hooter 230 V AC

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