

## FIXED GAS MONITOR

**IDEAL FOR METHANE, LPG/CNG, HYDROGEN, HYDROGEN SULPHIDE, CARBON MONOXIDE, AMMONIA, HYDRO CARBONS, HEXANE AND MANY MORE**



### 1565

#### SINGLE / MULTI GAS ALARM SYSTEM

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

Each module / channel is a complete instrument in itself with its visual alarms & relay outputs, except for regulated power supply which is provided by the master power supply board. It has corresponding detector of application specific type. The detector is mounted at the location of interest and senses the gas, if any through diffusion. It responds to vapor or gas, toxic, explosive or smoke, with proportionate change in electrical characteristics. This change is electronically amplified and used to operate the electronic switching circuits & relay contacts. Isolated relays with NO/NC contacts are provided for signaling alarm and malfunction conditions. Relay contacts could be typically used to actuate remote alarms, increase ventilation, shut off gas supply, or shut down a process. A suction based sampling system being employed, the sensors detectors are of very sturdy construction, with weather proof or ex-proof housings and are designed to serve for several years under normal operating conditions. When a sensor detects a concentration of gas or vapor above the first preset level, it actuate an 'ON' alarm LED. Further increase in concentration, other alarm LEDs will be progressively actuated. With this arrangement, the user can readily distinguish the area harboring a gas concentration and its levels.

## SPECIAL FEATURES

- Modular construction
- Single / multipoint monitoring
- Toxic, explosive gas, vapour, smoke monitoring system
- Three level concentration and fault alarm
- Power on LED, visual and audible alarm facility
- 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	: Portable
Detectable gases / parameters	: O <sub>2</sub> , flammable gases, vapors and hydrogen
Electronics / processor	: Analog
Power supply	: Rechargeable battery 1.2 x 4 D size with charger
Display	: Numeric LCD (1999 digits)
Alarm	: Audio / visual
Sensor technology	: EC / CC / TCD
Resolution	: 1 PPM / 1 %LEL / 1 %V/V
Accuracy	: ± 2 % for FS, 0.5 % O <sub>2</sub>
Response time	: Less than 15 seconds
Operating temperature	: 0 - 55 °C
Sampling	: Manual aspiration
Housing / case	: Cast aluminum
Included accessories	: Leather case, PVC tube with filter, Aspirator 4 numbers rechargeable battery with charger
Dimensions	: 150 (L) x 100 (W) x 115 (H) mm

*Note : Images shown are indicative only. Specifications and Features will vary with application. There may be changes overtime due to continuous development process.*  
@ 2018



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