

# LPG/PNG (METHANE) LEAKAGE DETECTOR



## PRODUCT DESCRIPTION

The LABWAN LW-50 LPG/PNG (Methane) Leakage Detector is a reliable fixed gas detection system designed to detect leakage of LPG, PNG, and CNG gases in residential, commercial, and industrial environments. It utilizes advanced Catalytic/Semiconductor sensing technology to provide fast and accurate leak detection.

The detector instantly activates an audio-visual alarm when gas concentration reaches the preset threshold, enabling prompt action to prevent accidents. It can also be connected to a solenoid valve through a relay output to automatically shut off the gas supply during leakage.

## FEATURES

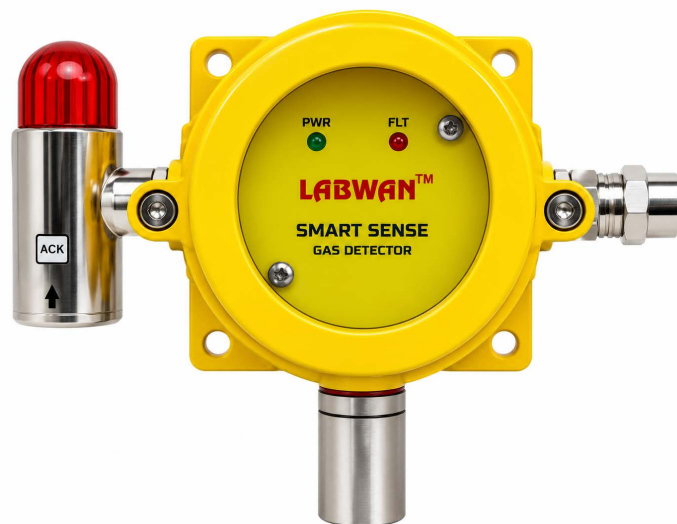
- Fixed Single Gas Detector
- Catalytic/Semiconductor Sensor Technology
- Fast Response
- Audio & Visual Alarm
- Relay Output for Solenoid Valve Connection
- Easy Installation & Maintenance
- Widely Used in Industrial

## APPLICATIONS & USES

- Industrial Kitchens
- Commercial Buildings
- Hotels & Restaurants
- Hospitals
- Laboratories

## Certifications & Quality Compliance

- ISO 9001:2015 Certified Firm
- CE Complied - LVD 2014/35/EU
- CCOE / PESO / CMRI Approved Product



## General Explosion Theory and Safety Precautions

- Liquefied Petroleum Gas (LPG) and Piped Natural Gas (PNG) are colorless gases. For safety purposes, an odorant is added to these gases to help detect leaks easily.
- When leaked gas comes into contact with a source of ignition in the presence of oxygen, it may ignite or cause an explosion.
- The LABWAN LW-50 is a wall-mounted fixed gas leakage detector that utilizes advanced Catalytic/Semiconductor sensor technology for reliable detection of LPG, PNG, and CNG gas leaks.
- The detector is designed to provide continuous monitoring of gas leakage and help prevent accidents involving loss of life and property. When the gas concentration reaches the preset alarm level, the detector immediately activates an audio-visual warning alarm, allowing users to take prompt corrective action. The unit is also equipped with a relay output that can be connected to a solenoid valve for automatic gas shut-off when the detector enters the alarm condition.

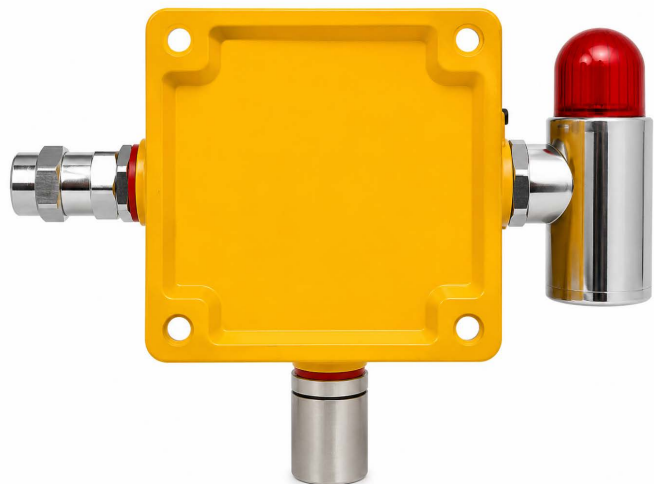
### Technical Specifications

| Parameter           | Specification                                |
|---------------------|----------------------------------------------|
| Product Name        | LPG/PNG (Methane) Leakage Detector           |
| Model Number        | LW-50                                        |
| Detector Type       | Fixed Single Gas                             |
| Usage/Application   | Industrial/Commercial Kitchen                |
| Detecting Principle | Catalytic/Semiconductor                      |
| Range Make/Model    | Labwan / LW-50                               |
| Display Type        | 0–55 °C                                      |
| Measurement         | 0–100% LEL (Lower Explosive Limit)           |
| Input               | 24 VDC                                       |
| Power Output        | Potential Free Contact (PFC), NO/NC-Optional |
| Operating Temp.     | 0–50°C                                       |
| Sound Level         | 80 dB                                        |
| Warranty            | 12 Months from the Date of Supply            |



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## DETAILS WITH HOOTER

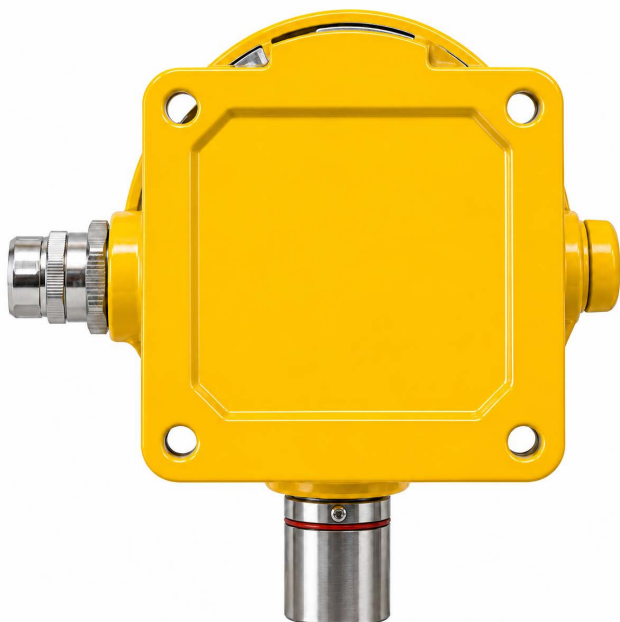


BACK VIEW

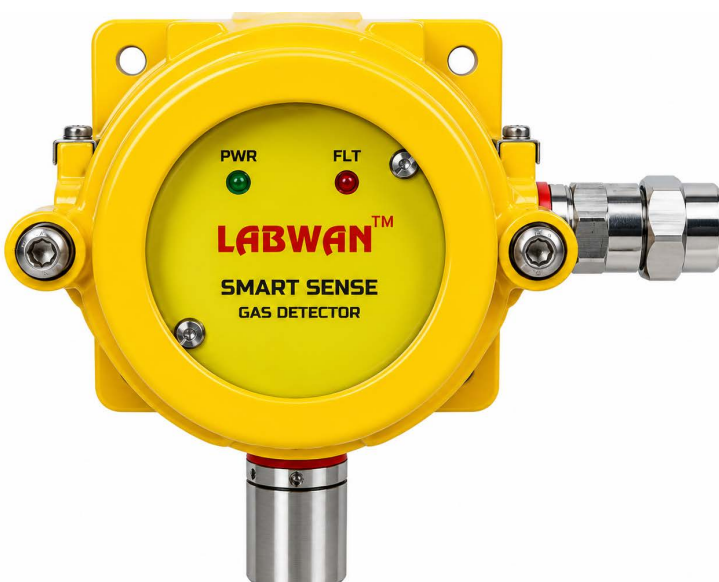


SIDE VIEW

## DETAILS WITHOUT HOOTER



BACK VIEW



FRONT VIEW

**CCOE / PESO / CMRI APPROVED FLAMEPROOF HOOTER**