

# Handheld Laser Methane Leak Detector

This handheld laser methane detector enables rapid and accurate detection of methane gas leaks. It utilizes laser absorption spectroscopy for remote, non-contact detection, improving safety and efficiency in leak detection.



## ADDITIONAL IMAGES



## Overview

### Advanced Methane Detection

This handheld laser methane detector utilizes advanced TDLAS technology to provide fast, remote, and highly accurate detection of methane leaks. Designed for durability and efficiency, it is an essential tool for inspecting underground pipelines, gas plants, and green belts. With its non-contact measurement capability and rapid response time, it ensures safety and reliability in critical industrial and environmental monitoring applications.

## Performance Metrics

### Detection Performance

**50000 ppm\*m**

Measuring Range

**0.1 s**

Response Time (T90)

### Sensor Specifications

Feature	Detail
Sensor Type	TDLAS
Sensor Life	10 Years
Measuring Type	Laser beam

## Alarms & Alerts

### Preset Alarm Levels

- Low alarm: 20% LEL
- High alarm: 50% LEL

### Alert Methods

Visible, Audible (85dB @ 1m), Vibration, LED Warning Lamp

## Physical & Environmental

### Device Build

Attribute	Value
Case Material	ABS+PC
Ingress Protection	IP54
Dimensions	25 x 25 x 11 cm
Weight	1.3 kg

### Operating Conditions

-20°C to +50°C • Humidity d99%RH (no condensation)

## Power & Accessories

### Battery & Power

**3.7 V**

Voltage

**6600 mAh**

Capacity

**8 hours**

Working Time

### Included Accessories

Belt, Screen cover

## Compliance

### Certifications & Safety

Ex ib IIB T4