

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