

# GAS•TRAC® LZ-50

Hand-Held Laser Remote Gas Leak Detector



**LZ-50** is the fastest and easiest way to remotely detect and monitor gas leaks!

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**The fastest & easiest way to remotely detect & monitor fugitive emissions & gas leaks!**

SENSIT Technologies' LZ-50 is an innovative hand-held methane gas detector that provides instantaneous and accurate readings and is ideal for hard to reach locations.

Lightweight and easy to use, the LZ-50 utilizes TDLAS technology to detect methane at a range of 150'. The LZ-50 continues the SENSIT Technologies tradition of changing the way utilities and investigators conduct gas leak investigations to protect life and property.

With its long range, the LZ-50 keeps the operator at a safe distance, eliminating the need to directly access the gas plume, climb to elevated areas, or enter fenced-in property, landfills and potentially hazardous situations through windows.



## Standard Features

- Methane selective
- Continuous detection
- Integrated GPS and camera
- Cal cell integrated in carrying case
- Three adjustable alarm points (visual, audible and vibration)
- Rechargeable battery
- Integrated data collection with wireless data transfer
- Ergonomic design
- Intrinsically safe design
- Industry Leading 2-year warranty (including battery)



## Applications

Natural Gas Industry

- Upstream
- Midstream
- Downstream

Emergency Response

- Fire, Hazmat and Rescue

Industrial

- Steel Industry
- Petrochemical Facilities
- Paper and Pulp Production
- Many More!



### STANDARD KIT

Charger Base with Wall Transformer  
 Hard Carrying Case  
 Integrated Calibration/Bump Test Cell  
 Instruction Manual

### SPECIFICATIONS

Detection Technology:	Tunable Diode Laser Absorption Spectroscopy (TDLAS)
Methane Detection Range:	0-50,000ppm-m in 1ppm-m increments
Sensitivity:	5ppm-m $\leq$ 15m (50ft)/10ppm-m $\leq$ 50m (150ft) @ $\geq$ 300ppm-m
Response Time:	$\leq$ 0.1 seconds
Detection Distance:	0.5m to 50m (1.5' to 150')
	Distance may vary depending on reflection
Distance Indicator:	0.2m to 30m (6" to 100')
	Range may vary depending on reflection
Beam Dimension:	Conical, 60cm diameter at 50m (24" at 150')
Alarms:	3 adjustable threshold alarms with baseline (Level 1, 2, 3) Visual, Audible, and Vibration
Warnings:	Low reflection, low battery
Calibration/Bump Test:	Carrying case incorporates calibration/bump test cell.
Laser classifications:	IR laser (methane detection) Class 3R Target laser (green) Class 3R Distance laser (red) Class 3R
Communication:	Wifi
Display:	4" LCD with Incorporated "cross hair" for target acquisition
User Interface:	Android
Operational Temp: -	-20C to 50C (-4F to 122F)
Storage Temp:	-40C to 60C (-40F to 140F)
Humidity:	5 to 95% non-condensing
Enclosure:	Designed to meet IP54
Intrinsic Safety:	Designed to meet US and ATEX
Weight:	1.5kgs (3.3lbs)
Size:	165mm (6.5") x 102mm (4.1") x 341mm (13.4")
Power Source:	Internal Lithium Ion
Battery Life:	5 Hours continuous
Recharge Time:	3 to 4 hours



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