

# GAS TRAC<sup>®</sup> LZ50

## LASER METHANE GAS DETECTOR

**2** INDUSTRY LEADING  
YEAR WARRANTY



- ✓ **TARGET GPS** for Precise Leak Detection & Data Accuracy
- ✓ **Methane Selective**
- ✓ **Enhanced Datalogging & Visualization**
- ✓ **On Board Camera for Video, Photos, Zoom**

COMPATIBLE WITH



**DIAMOND**  
SCIENTIFIC

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321-223-7500



Optics by **ACUTECH**



# GAS•TRAC® LZ50

## LASER METHANE GAS DETECTOR

**FAST DETECTION. SEAMLESS DATA VISUALIZATION. WORKER AND COMMUNITY PROTECTION.**



The **GAS•TRAC® LZ-50** is an innovative handheld methane gas detector that provides instantaneous readings from a distance to the target of up to 164'. Its revolutionary laser photonics combined with breakthrough technology, **TARGET•GPS**, makes it the clear choice in remote laser methane detection.

Lightweight and easy to use, **GAS•TRAC® LZ-50** features an on-board camera for photos and videos. Data is captured at the rate of 10 readings per second and can be visualized via **SENSIT Technologies GIS 360** software. **SENSIT's** exclusive **TARGET•GPS** technology improves the accuracy of reporting and tracking methane emissions.

Detect fugitive methane emissions and leaks quickly, without entering the gas plume.

### STANDARD FEATURES

Continuous Methane Selective Detection	Ergonomic Design
Integrated <b>TARGET•GPS</b>	Intrinsically Safe Design
Camera for Photos/Videos with Digital Zoom	Rubberized Over Molded Housing
Calibration/Bump Test Cell Integrated in Carrying Case	<b>SMART-CAL 360</b> Compatible (Automatic Calibration/Bump Testing)
Visual, Audible and Tactile Alarms	<b>SERVICE 360</b> Compatible (Firmware Updates)
Rechargeable Li-ion Battery	<b>SMART-LINK 360</b> Compatible (Download Logs)
Integrated Data Collection with Wireless Data Transfer (Wi-fi Direct)	<b>GIS 360</b> Compatible (Real-Time Mapping/Logging)

### APPLICATIONS

<b>Natural Gas Industry</b>
Upstream   Midstream   Downstream
<b>Emergency Response</b>
Fire, Hazmat & Rescue
<b>Industrial</b>
Steel Industry   Petrochemical Facilities   Paper & Pulp Production
Many More!

### GAS•TRAC® LZ-50 Accessories & Replacement Parts

Hard Carrying Case	Part # 872-00039	Shoulder Strap	Part # 360-00727
Battery Charger with Wall Transformer	Part # 871-00067	Instruction Manual	Part # 750-00081
Integrated Calibration/Bump Test Cell	Part # 882-00150-SN	Available Languages:	English



## STANDARD KIT

- Battery Charger with Wall Transformer and International Power Adapter
- Hard Carrying Case
- Integrated Calibration/Bump Test Cell
- Instruction Manual
- Shoulder Strap



## PRODUCT SPECIFICATIONS

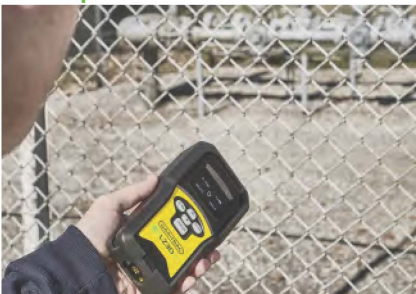
<b>Size:</b>	13.9in X 4.9in X 6.4in (35.3cm x 12.5cm x 16.3cm)	<b>Communication:</b>	Wi-Fi Direct, Bluetooth (BLE)
<b>Weight:</b>	3.9 Lb. (1.75kg)	<b>Laser Classification:</b>	IR laser (methane detection) Class 3R Target laser (green) Class 3R Distance laser (red) Class 3R
<b>Operational Temp:</b>	-20C° to 50C° (-4F° to 122F°)	<b>Calibration/Bump Test:</b>	Carrying Case Incorporates Calibration/Bump Test Cell
<b>Storage Temp:</b>	-40C° to 60C° (-40F° to 140F°)	<b>Detection Technology:</b>	Tunable Diode Laser Absorption Spectroscopy (TDLAS)
<b>Storage/Operational Humidity:</b>	≤95% non-condensing	<b>Methane Detection Range:</b>	0-99,999ppm-m in 1ppm-m increments
<b>Power:</b>	Removable Lithium Ion (15Ah)	<b>Sensitivity:</b>	5ppm-m ≤15m (50ft)/10ppm-m ≤50m (164ft) @ > 300ppm-m
<b>Battery Life:</b>	9 Hours continuous	<b>Response Time:</b>	< 0.1 seconds
<b>Recharge Time:</b>	5 hours	<b>Detection Distance:</b>	0.5m to 50m (1.5' to 164') Distance may vary depending on reflection
<b>Intrinsic Safety:</b>	Designed to meet US and ATEX	<b>Distance Indicator:</b>	0.2m to 30m (6" to 100') Range may vary depending on reflection
<b>Enclosure:</b>	Designed to Meet IP54	<b>Beam Dimension:</b>	Conical, 60cm diameter at 50m (24" at 164')
<b>Camera:</b>	13Mp	<b>Alarms:</b>	Adjustable threshold alarm with baseline: Visual, audible, and tactile (vibrating motor)
<b>Display:</b>	4.1" (10.4cm) LCD with Incorporated "cross hair" for target acquisition	<b>Warnings:</b>	Low Reflection, High Reflection, Low Battery, High Methane

# GAS•TRAC LZ

## REMOTE METHANE GAS DETECTORS

Gas•Trac LZ Series quickly and safely detects methane at distances ranging from 100 ft up to 164 ft (50 meters), keeping workers at a safe distance and out of the gas plume.

### GOOD



- ✓ 100' Detection Range
- ✓ Methane Selective
- ✓ Perfect 1st Response Tool
- ✓ Detects Through Most Windows
- ✓ On-Board Distance Laser
- ✓ Visual, Audible, Tactile Alarms
- ✓ Instantaneous Response
- ✓ Powerful, Pocket-Size Detector
- ✓ Industry Leading 2-Year Warranty

### BETTER



#### LZ-30 Features PLUS:

- ✓ Real-time tracking
- ✓ GPS Route Mapping
- ✓ Streaming readings
- ✓ Exportable data
- ✓ Android only (IOS coming soon)

### BEST

## GAS•TRAC® LZ50

### METHANE GAS DETECTOR



- ✓ 164' Detection Range
- ✓ Methane Selective
- ✓ High Sensitivity & Fast Detection
- ✓ TARGET GPS for Unmatched Data & Location Accuracy
- ✓ Enhanced Datalogging, Visualization
- ✓ Photo, Video Capabilities w/Zoom
- ✓ On-board Distance Laser



Distributed by:



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