

PORTABLE METHANE DETECTOR FOR UTILITIES & PIPELINE OPERATORS



KEY FEATURES

- Methane-specific TDLAS detection (0.5 ppm to 100% vol)
- ATEX Zone 1 certified for explosive environments
- Fast response ($T_{90} \leq 2.5$ s; 3.5 s w/ probe)
- Integrated GPS & Bluetooth
- Lightweight & rugged 2.9 lbs (1.3 kg), IP65)
- Swappable Li-Ion battery with 10 hour life at 68°F (20C); 8 hours at extreme temperatures with backlight activated
- Fast and reliable measurements, no gas cylinders needed
- Real-time audio/visual alarms & data logging

DESIGNED FOR

- Distribution & transmission pipeline networks
- Utility company leak surveys
- Meter/pipeline pinpoint inspections
- Emergency leak response
- Regulatory compliance & reporting
- Biogas plant leak surveys
- Landfill & remediation site monitoring

SMART METHANE DETECTION FOR CRITICAL INFRASTRUCTURE SAFETY

LASER-based Tunable Diode Laser Absorption Spectroscopy (TDLAS) delivers unparalleled methane specificity—no cross gas impact. Trusted by utilities and pipeline operators for rapid, precise methane leak detection—from tracer-level 0.5 ppm to 100%

LASER ONE

LED Alarm Lights

4 Visual Alarm Lights & Impact Bumpers

Status Indicators

- Measurement Mode
- Pump
- PC Communications
- Battery Level

Function Button

Pump and GPS Control

Audio Alarm

~65 dB Alarm

Jog Dial

- Threshold
- PPM
- LEL
- ON/OFF Absolute
- ON/OFF GPS
- Save Leak
- Memory

Methane Detection


Integral GPS
Highly Accurate
Rapid Response



Benefits at a Glance:

- Total Methane Selectivity - No false readings from propane, CO2, humidity™
- Rapid field deployment - Warm-up in 30–60 s, handheld operation
- No consumables - No cylinder, no flame, no calibration gas
- Intrinsically safe - Certified for use near flammable gas lines
- Accurate & compliant - Meets DNO, utility reporting requirements

TECHNICAL SPECIFICATION

POWER SUPPLY			
Battery type	Li-ion rechargeable battery pack (user replaceable)	Battery charger	Separate intelligent battery charger powered from mains supply (100-240V, or via vehicle power outlet)
Battery life	Swappable Li-Ion battery with 10 hour life at 68°F (20°C); 8 hours at extreme temperatures with backlight activated	Charge time	Approximately 4.5 hours from complete discharge
GAS RANGES			
Gases Measured	CH ₄	Range	1-9,999ppm / 1%-100% (Vol)
Response time	Without Probe : T ₉₀ = 2 seconds With Probe : T ₉₀ = 2.5 seconds		
Methane Detection	≤10ppm Detectable +/-1.0ppm	11-9,999ppm: +/- 10% of reading	1%-100%Vol +/- 10% of reading
Resolution	0.1ppm / 0.1% (Range dependent)	Minimum detectable limit	0.3ppm
PUMP			
Flow	Minimum : 0.6 L/Min	Typical : 0.8 L/Min	Maximum : 1.0 L/Min
ENVIRONMENTAL CONDITIONS			
Operating Temperature	-25 to 50°C / -13 to 122° F	Humidity Range	5% to 80% Relative Humidity (non-condensing)
Atmospheric Pressure/ Range	1013mbar +/-100mbar/29.91 inHg +/- 2.95inHg	Protection Level	IP65
PHYSICAL			
Weight	1.3 kg / 2.9 lb	Environmental Storage Conditions	Humidity <95% Temperature -40°C to +60°C/-40°F to 140°F
Dimensions	229 x 97 x 109 mm / 9 x 4 x 4.2 inches		
Alarm Sound Level	~85 dBA @30cm / 12"	User Interface	<ul style="list-style-type: none"> • Display (LxH): 86 x 47mm / 3.39" x 1.85" • Jogdail: Scroll menu for rapid and easy selection of menu items. • 3 Function Keys
Gas Connections	Quick Release Coupler	Electrical Connections	Multiway adaptor for battery charger and USB communication port with a PC
		Carry Strap	30mm/1.2" wide synthetic woven strap
CERTIFICATION RATING			
 II 2 G Ex ib op is IIB T3 Gb -25°≤Ta≤+50°C			

©2021 Product designs and specifications are subject to change without notice. User is responsible for determining suitability of product.

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