

NATURAL GAS LEAK DETECTION INSTRUMENT



FEATURES

- LASER Technology
- Specific to Methane
- ATEX Certified - Zone 1
- Wide Measurement Range (0 ppm to 100% volume)
- Integral GPS and Bluetooth
- Accurate Reporting
- Lightweight
- Hot Swap Battery

BENEFITS

- No Flame, No Hydrogen
- No cross-gas effects or False Readings
- Intrinsically Safe
- Highly accurate
- Maintains Compliance
- Multiple Reporting Functions
- Easy to Use
- All Day Operation



HAND-HELD LASER BASED NATURAL GAS LEAK DETECTION INSTRUMENT

The **LASER ONE** is a portable natural gas leak analyser with LASER spectroscopy. This highly sensitive detector offers all the advantages of optical detection in a compact and portable device. The HUBERG LASER ONE gives you precise and reliable findings when detecting methane leaks.



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

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	Typical 10 hours from fully charged (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 = 3.5 seconds		
Accuracy	0.1ppm-10.9ppmVol: +/- 0.7ppmVol	11-9.999ppmVol: +/- 7% of reading	1%-100%Vol +/- 5% 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	Enviromental 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	~65 dB (A) @30cm / 12"	User Interface	• 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			
<div> II 2 G Ex ib op is IIB T3 Gb -25°≤Tas+50°C</div>			

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

QED Environmental Systems Inc

QED Environmental Systems Ltd



ES France - Département Bio-tests & Industries
127 rue de Buzenval BP 26 - 92380 Garches



Tél. 01 47 95 99 90
Fax. 01 47 01 16 22



e-mail : bio@es-france.com
Site Web : www.es-france.com