

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
- Light Weight
- Hot Swap Battery

BENEFITS

- Highly Accurate, No Flame, No Hydrogen
- NO Cross-Gas or False Readings
- Intrinsically Safe
- Accurate Measurement
- 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 analyzer 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



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 / 0.1%-100% (Vol)
Response time	Without Probe : T90 = 2 seconds With Probe : T90 = 3.5 seconds		
Accuracy	1ppm-10ppm/Vol: +/- 0.7ppm	11-9,999ppm/Vol: +/-10% FS	1%-100%Vol 100% FS
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
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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/29.91387 inHg +/- 2.953 inHg	Protection Level	IP65

PHYSICAL

Case	Carbon reinforced polyamide with fiberglass	Size (L x W x H)	Length: 229mm,Width: 97mm,Depth: 109mm
Weight	1.3 kg / 2.9 lb	Environmental Storage Conditions	Humidity <95% -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	<ul style="list-style-type: none"> • Display (LxH): 86 x 47mm / 3.39" x 1.85" • Jogdial: 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°≤Tas+50°C

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

QED Environmental Systems Inc.

2355 Bishop Circle West Dexter, MI 48130, USA



WWW.QEDENV.COM

QED Environmental Systems Ltd.

Cyan Park, Unit 3 Jimmy Hill Way, Coventry CV2 4QP, UK



info@qedenv.com



800.624.2026
734.995.2547



sales@qedenv.co.uk



+44 (0) 333 800 0088
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