HUBERG
by QED

HAND-HELD LASER BASED NATURAL GAS LEAK DETECTION INSTRUMENT

FEATURES

- ATEX Certified – Zone 1
- Specific to Methane
- Wide Measurement Range (0 ppm to 100% volume)
- Integral GPS and Bluetooth
- Laser Technology
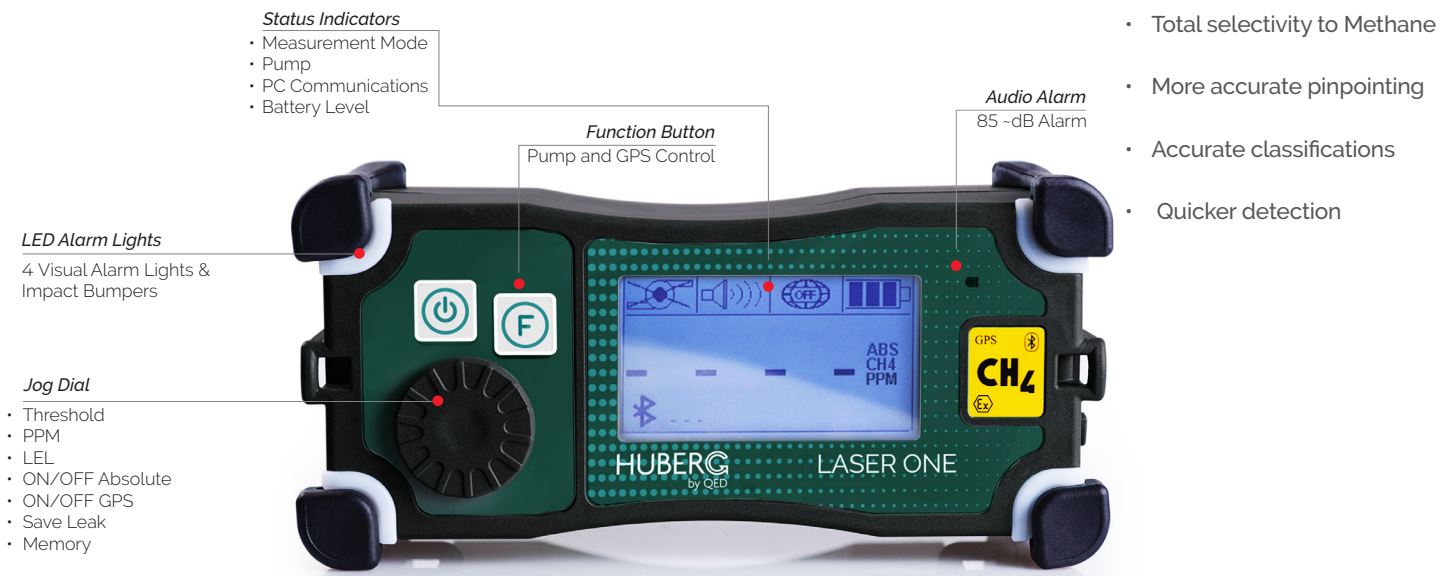- Lightweight
- Hot Swap Battery
- Expanded Memory

BENEFITS

- No Cross-Gas or False Readings
- Accurate Measurement
- Accurate Reporting
- Maintains Compliance
- Highly Accurate, No Flame, No Hydrogen
- Multiple Reporting Functions
- Intrinsically Safe
- Easy to Use

THE EASY WAY TO
MONITOR SURFACE EMISSIONS

QED Environmental Systems Ltd.
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LASER ONE

The Laser One is a portable natural gas leak analyser with laser spectroscopy. A highly sensitive detector which offers all the advantages of optical detection in a highly compact and portable device. Giving you precise and reliable findings when detecting methane leaks.

Status Indicators
- Measurement Mode
- Pump
- PC Communications
- Battery Level

Function Button
Pump and GPS Control

Audio Alarm
85 ~dB Alarm

LED Alarm Lights
4 Visual Alarm Lights & Impact Bumpers

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

- Total selectivity to Methane
- More accurate pinpointing
- Accurate classifications
- Quicker detection

POWER SUPPLY

Battery type	Li ion rechargeable battery pack (user replaceable)	Battery charger	Separate intelligent battery charger powered from mains supply (100-240V)
Battery life	Typical 10 hours from fully charges (with backlight activated)	Charge time	Approximately 4.5 hours from complete discharge

GAS RANGES

Gases Measured	CH4	Range	1-10,000ppm / 0.1%-100% (Vol)
Response time	Without Probe : T90 = 2 seconds		
	With Probe : T90 = 3.5 seconds		
Accuracy	1-10ppm/Vol: +/- 0.7ppm	10-10,000ppm/Vol: +/-10% FS	1%-100%Vol 100% FS
Resolution	1ppm	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	-13 - 122 F / -25 to 50C	Humidity Range	5% to 80% Relative Humidity (non -condensing)
Atmospheric Pressure/ Range	1013mbar +/-100mbar	Protection Level	IP65

PHYSICAL

Case	Carbon reinforced polyamide with fiberglass	Dimensions	Length: 229mm,Width: 97mm,Depth: 109mm
Weight	2.8 lb / 1.3 kg	Enviromental Storage Conditions	Humidity <95% -40°C to +60°C
Dimensions	9 x 4 x 4.2 inches / 229 x 97 x 109 mm		
Alarm Sound Level	~85 dB (A) @12 inches / 30 cm	User Interface	• Large Dot Matrix Backlit Display: 240 x 128
			• Jogdail: Scroll menu for rapid and easy selectionof menu items.
			• 3 Function Keys
Gas Connections	Quick Release Coupler	Electrical Connections	Multiway adaptor for battery charger and USD communication port with a PC
		Carry Strap	30mm wide synthetic woven strap

CERTIFICATION RATING

II2GExibopisIIBT3Gb -25°C< Ta<+50°C

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