

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

Function Button

Pump and GPS Control

Status Indicators

- Measurement Mode
- Pump
- PC Communications
- Battery Level

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: +/-1.0ppm	11-9,999ppmVol: +/- 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	~65 dB (A) @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°≤T _a ≤+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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