Gas Leak Detection and Natural Gas Network Survey

Gazoscan™
Handheld Remote Methane Leak detector with Laser Spectroscopy Technology

- Methane selective – no false alarm
- Instant response time (0.1s)
- Lightweight and easy to use
- Can detect through glass
- 330ft (~100m) distance detection
Using the powerful Laser Spectroscopy technology, the GAZOSCAN™ from GAZOMAT™ is a handheld remote methane detector (RMD) offering methane selectivity. Ultra-portable and very easy to use, this device detects leaks at 100m (~330ft) distance on outside gas pipelines along buildings, bridges or within gas and industrial sites. Its capacity to detect gas through glass also makes it an essential tool for conducting inspections within cities, safely and efficiently.

**How it works**

- The laser beam of the GAZOSCAN™ detector is transmitted towards the target. Once reached, the beam is then reflected back to the detector for analysis. The results will show on the display screen immediately.

**Easy to use, quick to respond**

- Instant response time (0.1s)
- Large LCD screen (2.8 inches)
- Configurable alarm threshold
- Visual and audio alarms
- Maximum reading on display until resetting
- Three scanning speeds (fast, medium, slow) for easy leak spotting (Fast) and measurement accuracy (Slow)
- Red dot sight for precise targeting in daylight

**Extended applications**

Suitable to any situations where field technicians cannot operate close to the inspection zone:

- Transmission & distribution network survey
- Industrial and commercial property survey
- Gas processing and gas storage plants
- Industrial sites monitoring
- Emergency response, etc.

**“Connected” functionality**

- Bluetooth communication for data transfer
- Designed to work with GAZOSURVEY app (optional) on Android/iOS mobile phones/devices
- GPS leak localisation and survey traceability
- Capacity to enter notes, capture and store pictures

**GAZOSCAN™ TECHNICAL SPECIFICATIONS**

- **Target gas:** Methane (CH₄)
- **Measurement method:** Tunable Diode Laser Absorption Spectroscopy (TDLAS)
- **Sensitivity:** 5ppm*m
- **Detection range:** 0-99,999 ppm*m
- **Measurement accuracy:** ±10%
- **Scanning speed:** Fast / Medium / Slow
- **False alarm:** No false alarm to other hydrocarbons
- **Response time:** 0.1s
- **Detection distance:** 330ft (~100m) and greater distances
- **Connection:** Bluetooth communication with mobile devices
- **Weight:** 1.5lbs (0.7kg)
- **Size:** 6.3’’ x 8.3’’ x 3.1’’ (160mm x 210mm x 80mm)
- **Operating temperature:** -4°F to +118°F (-20°C to +45°C)
- **Enclosure level:** IP54
- **Certification:** II 2G Ex ib op is IIA T3 Gb (Ta: -20 to +45˚C)
- **Laser classes:** IR Laser emitter: 1.654nm, Class 1 eye safety, Green guide laser light: 520nm, Class 3R
- **Battery:** Rechargeable Lithium battery, capacity: 19240mW
- **Battery operating life:** >9 hours at 77°F (25°C)
- **Threshold alarm:** Alarm: Can be set by customer, Buzz with LCD turning red
- **Self-test:** Built-in self test while turning on the instrument, <10s
- **System False Alarm:** Corresponding error message while there is any hardware issue

**GAZOSCAN™ kit includes**

1. Handheld remote methane leak detector
2. Power adapter
3. Charging base
4. Screen cover
5. Carrying case
6. Battery

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**GAZOMAT™ S.à.r.l.**
11, rue de l’Industrie – BP 40101
67403 Illkirch-Graffenstaden Cedex – France
Phone: +33 (0)1 85 65 04 37
Fax: +33 (0)1 85 65 04 87
E-mail: info@gazomat.com
www.gazomat.com

**GAZOMAT™ North America**
850 South Via Lata – Suite 115
Colton, CA 92324 – USA
Phone: +1 (909)-906-1001
E-mail: info@gazomat.com
www.gazomat.com