

Laser Methane mini

Methane Detection at a Distance



- Lightweight and portable
- Fast methane detection
- Survey inaccessible areas
- GPS logging



Laser Methane mini

Remote Methane Gas Detection

When lives and property are at risk and you need gas detection equipment that is totally reliable, you need Crowcon. For over 45 years Crowcon has been developing and manufacturing high quality products with a reputation for reliability and technical innovation.

Crowcon provides both single gas and multigas monitors for personal and portable safety applications providing protection against a wide range of industrial gas hazards.



Choosing the detector for your needs

Laser Methane mini (LMm) is a compact handheld detector that can detect methane gas from a safe distance (30-100m). Utilising laser technology, methane leaks can be quickly confirmed by pointing the laser beam towards the suspected leak, or along the survey line. This revolutionary technology removes the need to access elevated places, under floor or other hard to reach areas. It is also ideal for surveying large open spaces e.g. landfills or along pipelines.

**Now with
green laser
for improved
visibility**

NEW! LMm now ships as standard with a green laser guide light, which is more visible especially under strong sunlight. Laser Methane mini-Green (LMm-G) also combines the benefit of LMm with additional data storage functions and comes with Bluetooth capability, allowing connection to any Android device through the Gasviewer app. Important data like location, gas levels, date and time can then be saved or emailed to a central point.

LMm and LMm-G are easy to operate and require little maintenance. An automatic self check and calibration ensures consistent performance and reliability every time the units are turned on.

User friendly

Point and shoot technology	Requires little or no training and is easy to use
Compact and lightweight	Truly portable - fits easily in your pocket!
Green guide laser light	Clear visibility of where you are surveying, even under strong sunlight
Wide organic electroluminescence display	Clear and bright readout on screen

Reliability

No moving parts	Little maintenance required
Automatic calibration on start up	Ensures accurate and reliable reading, and eliminates downtime associated with conventional calibration

Records

Bluetooth and Gasviewer app	For use with Android smartphones
Location and camera functions in Gasviewer app	Save leak location information for later and find the leak easier next time with the photo function



LMm



LMm-G



Mobile App

Measurement principles:

Laser Methane mini detects methane by emitting infrared light and examining the light that is reflected back. Methane gas absorbs specific frequencies which LMm can use to calculate how much methane is present in the beam path. The infrared beam can penetrate some opaque surfaces, for example glass or perspex, allowing detection of methane through windows in locked rooms. LMm measures the average methane gas density along the path of the beam and readings are reported in ppm-m which is the product of the concentration of the methane cloud (ppm) and the length of the beam path (m).

Specifications:

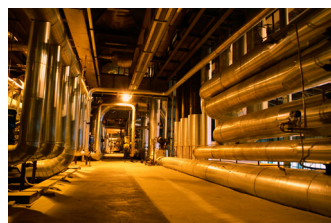
LMm (SA3C32A):

LMm-G (SA3C50A):

Gas	Methane (CH ₄) and methane containing gases	Methane (CH ₄) and methane containing gases
Range	1-50,000 ppm-m (%LEL or % Vol available)	1-50,000 ppm-m (%LEL or % Vol available)
Accuracy	±10%	±10%
Detection speed	0.1 seconds	0.1 seconds
Laser light colour	 Green	Green
Detection distance	0.5m - 30m / 1.5ft - 100ft (up to 100m using optional reflective sheet)	0.5m - 30m / 1.5ft - 100ft (up to 100m using optional reflective sheet)
Size	70 x 179 x 42mm, (2.8 x 7 x 1.6 inches)	70 x 179 x 42mm, (2.8 x 7 x 1.6 inches)
Weight	600g (including battery)	530g (including battery)
Battery	Rechargeable ni-MH battery	Rechargeable ni-MH battery
Operating time	Approx 4 hours	Approx 5 hours
Operating temperature	-17°C to +50°C (1°F to +122°F)	-17°C to +50°C (1°F to +122°F)
Ingress protection	IP54	IP54
Certification	ATEX: II 2 G Ex ib op-pr/op-is IIA T1 Gb I M2 Ex ib op-pr/op-is EMC Directive Laser Class 3R:5mW	Safe Area EMC Directive and R&TTE Directives Laser Class 3R:5mW
Bluetooth	No	Yes
Best Application	Hazardous areas	Outdoors under strong sunlight

Applications:

- Industrial and commercial property surveys
- Emergency call out
- Gas plants and pipeline surveys
- Landfill gas monitoring
- Road surface survey



Other products available within the portable range are:



T4
Multigas monitor with
extended battery



Gas-Pro IR
5 gas infra red
detector



Gasman
Single gas personal
monitor



Gas-Pro PID
5 gas VOC detector

Crowcon reserves the right to change the design or specification of the product without notice. Check www.crowcon.com for updates.

www.crowcon.com

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 **CROWCON**
Detecting Gas Saving Lives