

Laser Methane Mini

Methane Detection at a Distance



- Visual and audible alarms
- Lightweight and portable
- Bluetooth connection
- Data logging capabilities



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 40 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 a portable gas detector for your needs

Laser Methane mini (LMm) is a compact handheld detector that can detect methane gas from a safe distance. 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.

NEW! LMm is now available with a green laser guide light, which is more visible especially under strong sunlight. The Laser Methane Mini-Green (LMm-G) combines the benefit of LMm with additional data storage functions and comes with Bluetooth capability, which can be connected to any android device (through the Gasviewer app) for a variety of data storage functions. Important data like location, gas levels and time can also 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
Green/Red guide laser light	Clear visibility of where you are surveying
Wide organic electroluminescence display	Clear and bright readout on screen

Reliability

No moving parts	Little maintenance required
Self-check and automatic calibration start up	Ensure accurate and reliable reading

Records

Data storage	Full data logging capabilities
Bluetooth and Gasviewer app	Connectivity to android devices
Location service in Gasviewer app	Display and save value as well as location and time on map



LMm



LMm-G



Gasviewer App

Measurement principles:

Methane absorbs a specific wavelength of infrared rays. The laser diode emits infrared laser, receives the diffused light back and measures the absorption of the light. A reflective surface is required for proper measurement of methane gas. The laser beam from LMm can penetrate opaque surfaces, for example, glass or perspex.

The LMm and LMm-G measure the average methane gas density between the detector and target readings are reported in ppm-m as it is the product of concentration of methane cloud (ppm) and path length (m).

LMm:

LMm-G:

Size	70 x 179 x 42mm, (2.8 x 7 x 1.6 inches) WxDxH	70 x 179 x 42mm, (2.8 x 7 x 1.6 inches) WxDxH
Weight	600g (including Ni-MH battery pack)	530g (including Ni-MH battery pack)
Operating time	Approx. 6 hours	Approx. 4.5 hours
Operating temperature range	-17 - +50°C	-10 - +50°C
Target gas	Methane (CH ₄) and methane -containing gases	Methane (CH ₄) and methane-containing gases
Detection limits	1-50,000 ppm-m (%LEL or % Vol available)	1-50,000 ppm-m (%LEL or % Vol available)
Accuracy of detection	±10%	±10%
Detection distance (standard)	0.5m - 30m	0.5m - 100m (using an optional reflect sheet)
Ingress protection	IP65	IP65
Guide laser light colour	Red	Green
Certificate	Class 2:1mW CE (ATEX & EMC)	Class 3R: 5mW CE (R&TTE)
Best Application	Hazardous areas	Outdoors under strong sunshine

Applications:

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



New products available within the fixed and portable range are:



Crowcon F-Gas Detector
Refrigerant Gas and SF₆ Detector



Gasmaster
1-4 channel
control system



Detective+ and Detective Net
Transportable wireless area
gas monitor



Gas-Pro PID
5 gas VOC monitor



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