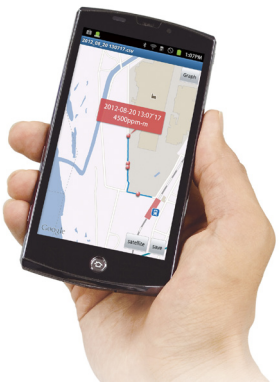
CROWCON
Detecting Gas Saving Lives

LaserMethane mini

Methane Detection at a Distance

- Detects methane from 30m
- Surveys inaccessible areas
- Lightweight and portable
- Location reporting with GasViewer



Bluetooth version - now ATEX approved!

LaserMethane mini

Methane detection at a distance

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 and tools for personal and portable safety applications providing protection against a wide range of industrial gas hazards.

Choosing the right detector for your needs

LaserMethane mini (LMm) is a compact handheld detector for the detection of methane gas at a safe distance (0-100m). Using laser technology, methane leaks are located by pointing the laser beam towards the suspected leak, or along the survey line. This revolutionary technology removes the need to access elevated places, reducing cost and improving the speed of leak detection activities. LMm is ideal for use in industrial, commercial, and research environments, anywhere that methane could be present and in need of locating or monitoring.

LMm is actively replacing handheld detectors that rely on users being within arms' reach of the potential leak source. This means users don't need to enter a potentially hazardous location, and therefore improves survey effectiveness. ATEX Intrinsic safety approval means that LMm is suitable for use in Zone 1 and Zone 2 applications.

LMm is easy to operate and requires no maintenance. An automatic self check during start-up ensures consistent performance and reliability every time units are turned on. The green laser guide light is highly visible even under strong sunlight, making locating leaks easier. The Bluetooth option combines the benefit of LMm with additional data storage functions, allowing connection to an Android device using the GasViewer app. Important data including gas level, time, date and location are combined and can then be saved or emailed to a central point.

Quick and easy to use

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 including under strong sunlight
Wide organic electroluminescence display	Clear and bright read-out on screen

Reliable and trustworthy

No moving parts	No maintenance required, saving you time and money
Automatic calibration on start up	Ensures accurate and reliable readings, and eliminates downtime associated with conventional calibration

Efficient data storage

Bluetooth and Gasviewer app	For use with Android smartphones, providing real-time data display
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

Mobile App

Measurement principle:

LaserMethane mini detects methane by emitting infrared light and examining the light that is reflected back. Methane gas absorbs specific frequencies which LMm uses to calculate how much methane is present along the beam path. 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). The measurement and guide beams can penetrate some opaque surfaces, for example glass or perspex, allowing detection of methane through windows in locked rooms.

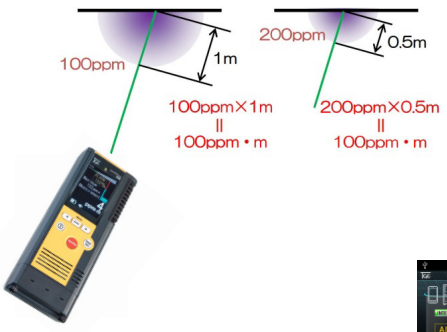
Specifications:

Target gas	Methane
Range	1 to 50,000ppm.m (5%vol.m)
Units	ppm.m / %vol.m / %LEL.m
Accuracy	±10%
Detection speed	0.1 seconds
Detection distance	0.5m to 30m / 1.5ft to 98ft (up to 100m / 328ft with reflector)
Size	70 (W) x 179 (D) x 42 (H) mm (2.8 x 7 x 1.6 inches)
Weight	600g
Calibration	Automatic self-calibration using internal reference cell
Battery type	Rechargeable ni-MH
Operating time	4 hours (3.5 hours Bluetooth connected)
Ingress protection	IP54
Operating temperature	-17°C to +50°C (1°F to +122°F)
Certification	ATEX: II 2 G Ex ib op-pr/op-is IIA T1 Gb I M2 Ex ib op-pr/op-is Laser Class 3R:5mW or less
Bluetooth (option at time of order)	Data link via GasViewer (Android OS)
Order codes	LMm C011246 – including one battery C011247 - including two batteries LMm with Bluetooth C011251 – including one battery C011252 - including two batteries

Bluetooth connectivity

Now available as an option for the ATEX approved LMm, the GasViewer App provides:

- Real-time data display
- GPS location tagging
- Data storage
- Link application pictures to data



Applications:

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

Some of the other products available within the portable range include:

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

Tank Pro
Multigas monitor with tank check mode

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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