



# COMPACT & PORTABLE METHANE GAS DETECTOR

## LEADERS IN GAS DETECTION

Since 1977

## LaserMethane mini (LMm)



### Features:

Remote measurement and detection, up to 100 metres  
No special access equipment required to detect leaks  
ATEX approved for industrial use and now includes mining applications

### Easy to Use:

Portable truly hand-held  
Light weight, compact and robust design  
Intuitive menu  
Full colour numeric or graphical display

### Flexible and Convenient:

User programmable alarm and offset levels  
Long battery life allowing 6 hours of continuous operation from one battery  
Self-check and self-calibration at start-up, saves time and ensures consistent high performance and reliability

### Accuracy and Reliability:

Responds specifically to methane  
Exceptional accuracy - detects even very low levels of methane  
Fast response time, typically 0.1 seconds

Portable and handheld the LaserMethane mini (LMm) offer users the ability to detect methane at distance. What once was a time consuming and resource draining procedure can now be completed in a fraction of the time by utilising the best in Tunable Diode Laser Absorption Spectroscopy (TDLAS).

### Detection at Distance:

Current methods require users to be within arms reach of the gas or to position the detector into the gas cloud, often - requiring special access equipment to reach the leak. In contrast the LaserMethane products only need the emitted beam to pass through the cloud in order to detect methane. By simply pointing the laser beam towards the suspected leak, or along the survey line the handheld unit will monitor the levels of methane detected.

### Safety first:

Any gas escape brings with it a risk to the person detecting the leak. By detecting methane at distance the user can work well outside the danger zone. Gas is not the only danger however; the LaserMethane mini (LMm) can safely be used to monitor gas pipes that run across rivers and roads as well as in high headroom, industrial and commercial property. Removing the operator from potentially hazardous and hard to reach areas reduces the risk of these situations.

### Product highlights:

The LMD offers full data and event logging with external interface and SD card. The LMm has ATEX approval applied for allowing detection in hazardous areas.

## Control Equipment Pty Ltd ABN 23 009 838 582

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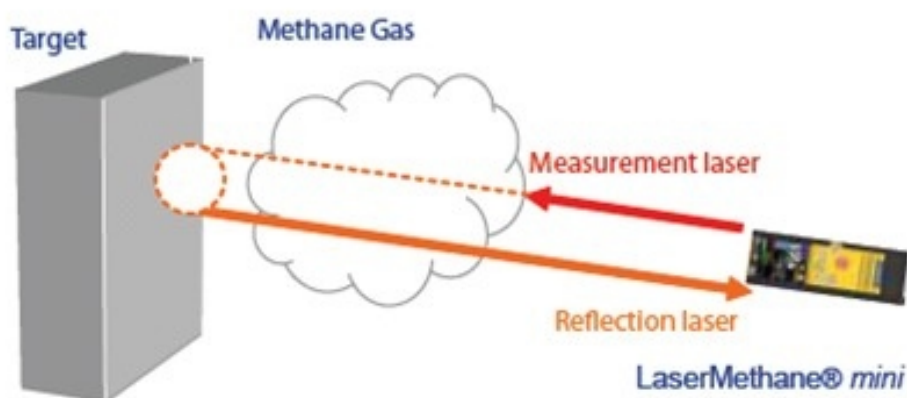
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### Offices/Agents in:

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<b>Gas to be measured</b>	Methane (CH <sub>4</sub> ) and methane-containing gases (natural gas or similar)
<b>Measurable level</b>	1 □ 50,000 ppm-m (Minimum detectable sensitivity may depend on the reflector / reflecting object and detecting distance.)
<b>Measurable accuracy</b>	± 10% Measuring range: 100 to 10,000 ppm-m
<b>Measuring Speed</b>	0.1 second
<b>Measurable distance</b>	0.5m to 30m 0.5m to 100m (using a reflect sheet)
<b>Power Supply</b>	Dedicated rechargeable battery
<b>Continuous Operation Time</b>	Approx 6 hours (at 25°C, Display level: 5)
<b>Laser Safety Class</b> (warning label)	Guide light : Class 2 Measurement light : Class1 (IEC 60825-1: 2001)
<b>Intrinsically Safe Category</b>	EN 60079-0: 2006, EN 60079-11: 2007, EN 60079-28: 2007
<b>EMC</b>	EN 61326: 1998
<b>Environmental Conditions</b>	Operating temperature range: -17°C - 50°C Splash-proof and dust-proof structure (IP 54)
<b>Dimension and mass</b>	70 (W) x 179 (D) x 42 (H) mm, 600g or less (including a battery)
<b>Standard Accessories</b>	Rechargeable battery Battery charger Strap Protector

### Operating Principle:



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