



LASER METHANE COPTER

REMOTE METHANE DETECTION

Natural gas is composed of more than 75% methane. There is high demand for an easy and cost-efficient method for the detection of methane in all sectors of the natural gas industry. From production through processing and transmission, to distribution; an impressive number of applications can be realized with the LMC Laser methane copter including line, tank and asset inspections, landfill emission monitoring, and surveys in difficult to access areas. LNG and the shale gas industries are other markets with huge opportunities for leak detection services.

Features and Benefits

- **Available as a ready-to-go solution.**
Mount on UAV or use as a hand-held gas sensor
- **Track the inspected route** with coordinates and gas concentration
- **Easy data export** for reporting
- **Eye-safe Class 3R laser**
- Fully integrated **HD camera**

Laser Methane Copter / LMC Specifications



Target Gas	Methane (CH ₄) and methane-containing gases (natural gas and similar)
Detection Limits	1 — 50,000 ppm×m
Detection Speed	0.1 seconds
Distance	100 ft. / 30 m
Operating Temperature Range	1°F ... 104°F / -17°C ... +40°C
Laser Safety Class	Guide light (green laser light): Class 3R Measurement light (infrared laser light): Class 1
Calibration	Self-calibrating with integrated reference cell
Structure	Splash & Dust Proof (IP54)
Sampling Rate	33 ft./s 10 m/s
Battery Life	Approx. 4.5 hours (at 77 °F / 25 °C, Display Level:5, Flashing Guide Light)
Certificate	CE (R & TTE)
Connection	Bluetooth & Internet Access (Android) / data logger
Dimensions	2.76 (W) × 7.05 (D) × 1.65 (H) in. / 70 × 179 × 42 mm
Weight	1.17 pounds / 0.53 kg (including Ni-MH Battery Pack)



About Pergam

Pergam, a multi-national corporation, is a pioneer in laser-based remote gas leak detection — with a wide range of non-destructive testing methods (NDT). Pergam provides cutting-edge inspection service to the natural gas industry with its unique and patented ALMA and SELMA systems. Located near Seattle, WA, our US office is dedicated to the needs of the North American market. Headquartered in Switzerland, our parent company provides gas leak detection services worldwide.

