



MOBILE LASER Methane Detection System

Accurate, Fast, and Operator Friendly



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Bascom-Turner Instruments, Inc.

is pleased to introduce a new, highly accurate, robust, mobile laser detection system for methane. It provides accurate and fast detection, simple operation and easy installation and removal on commercial vehicles used by utilities. Specificity is achieved by laser at the mid-IR absorption peak of methane, a peak a hundred times more intense than methane absorption in the near-IR. The single pass optical system is sensitive to less than 1 ppm methane. The overall system can be operated reliably at vehicle speeds of 35 mph. Communication is accomplished via Bluetooth to a tablet in the driver's cabin.

The system can be mounted on any survey vehicle equipped with a standard Blue Ox[®] tow mount. It takes about a minute to slide it onto the Blue Ox pins and secure it with screw locks. The easy mounting scheme, requiring no special tools, permits safe storage whenever the system is not in use and easily allows transfer from vehicle to vehicle as needed.

Other features include

- No electrical connection to a vehicle
- Fast easy calibration
- Lightweight yet rugged
- Shock mounted for off road applications



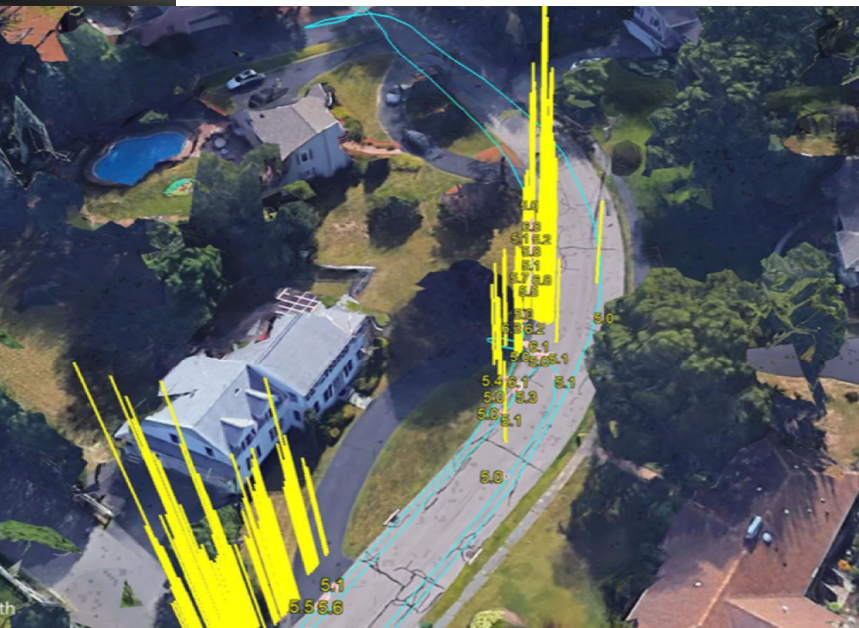


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Outstanding Resolution and Display

- Preloaded software on Surface Pro
- Automatic storage of surveys
- Identification and location of peaks



Specifications

Detection Method	TDLAS with WMS (Tunable Diode Laser Spectroscopy)
Accuracy	2% of reading, 0° to 45°C
Sensitivity	Less than 1 ppm methane
Warm-Up Time	60s
Display Ranges	Software Configurable
Communication	Bluetooth
System Power	60 watts (3.5Ah at 16.8V)
Operating Time	12 hr per battery charge
Vehicle Mounting	Blue Ox® with damping wire mounts
Mount/Dismount Time	One minute
Operating Temperature	-30° to 50°C (-22° to 122° F)
System Weight	9 kg (20 lb)



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Ordering Information

MLDS-001

includes:

- 5 mW Interband cascade laser at 3270 nm
- Hard coated aluminum housing
- Surface Pro tablet with installed software
- 2 packs of rechargeable batteries, 4 cells per pack with charger
- Calibration cell
- Telemetry module (GPS and Bluetooth)
- Operating manual and storage case



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