



**Bascom-Turner
Instruments**
Leading the Way in Safety

Over 40 years of gas detection leadership,
safety and innovation

MOBILE LASER METHANE DETECTION SYSTEM

Accurate, Fast, and Operator Friendly



Meet the highly-accurate and robust Mobile Laser Detection System (MLDS) from Bascom-Turner Instruments. The MLDS features **superior methane detection**, simple operation, and easy installation.

The MLDS achieves methane specificity and accuracy by tuning to the strongest **mid-IR absorption peak** -- 100x more intense absorption than near-IR. The **single pass** optical system is sensitive to better than 1 ppm methane.

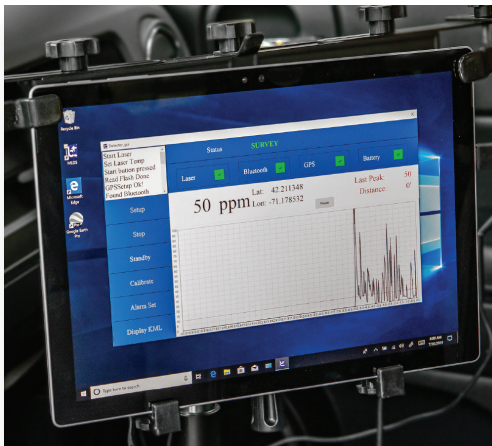
The MLDS takes less than three minutes to mount onto a standard Blue Ox® front-tow hitch, allowing for safe storage and easy transfer to other vehicles. **No special tools are needed.**

The MLDS communicates via Bluetooth™ to a PC. Survey data is automatically stored and your distance from a peak plume is highlighted on the connected PC. The MLDS can operate at speeds **up to 35 mph.**

SPECIFICATIONS

Detection Method	TDLAS with WMS*
Accuracy	+/- 2% of reading, 0° to 45°C
Sensitivity	Less than 1 ppm methane
Start-Up Time	< 2 minutes
Display Ranges	Software Configurable
Communication	Bluetooth™
System Power	52 Wh (3.5Ah at 14.8V)
Operating Time	12 hr per battery charge
Vehicle Mounting	Blue Ox® w/damping wire mounts
Mount/Dismount Time	< 3 minutes
Operating Temperature	-30° to 50°C (-22° to 122° F)
System Weight	9 kg (20 lb)

*Tunable Diode Laser with Wavelength Modulation Spectroscopy



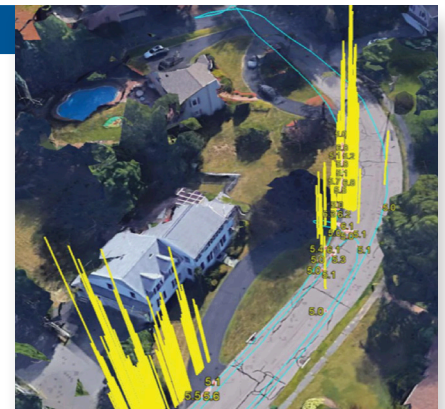
ADDITIONAL INFORMATION

MLDS-001 Includes:

- 5 mW Interband cascade laser at 3270 nm
- 2 pks. of rechargeable batteries, w/ charger
- Fillable calibration cell
- Telemetry module (GPS & Bluetooth)

Other Features Include:

- No electrical connection to a vehicle
- Shock mounted for off road applications
- Identification and location of peaks



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