

## PORTABLE METHANE DETECTOR



### FEATURES

- LASER Technology
- Wide Measurement Range (0 ppm to 100% volume)
- Integral GPS and Bluetooth
- ATEX Certified – Zone 1
- Meets EPA Method 21 Requirements
- Lightweight

### BENEFITS

- No Cross-Gas or False Readings
- Accurate Measurement
- Accurate Reporting
- Maintains Compliance
- Highly Accurate, No Flame, No Hydrogen
- Multiple Reporting Functions
- Intrinsically Safe
- Easy to Use

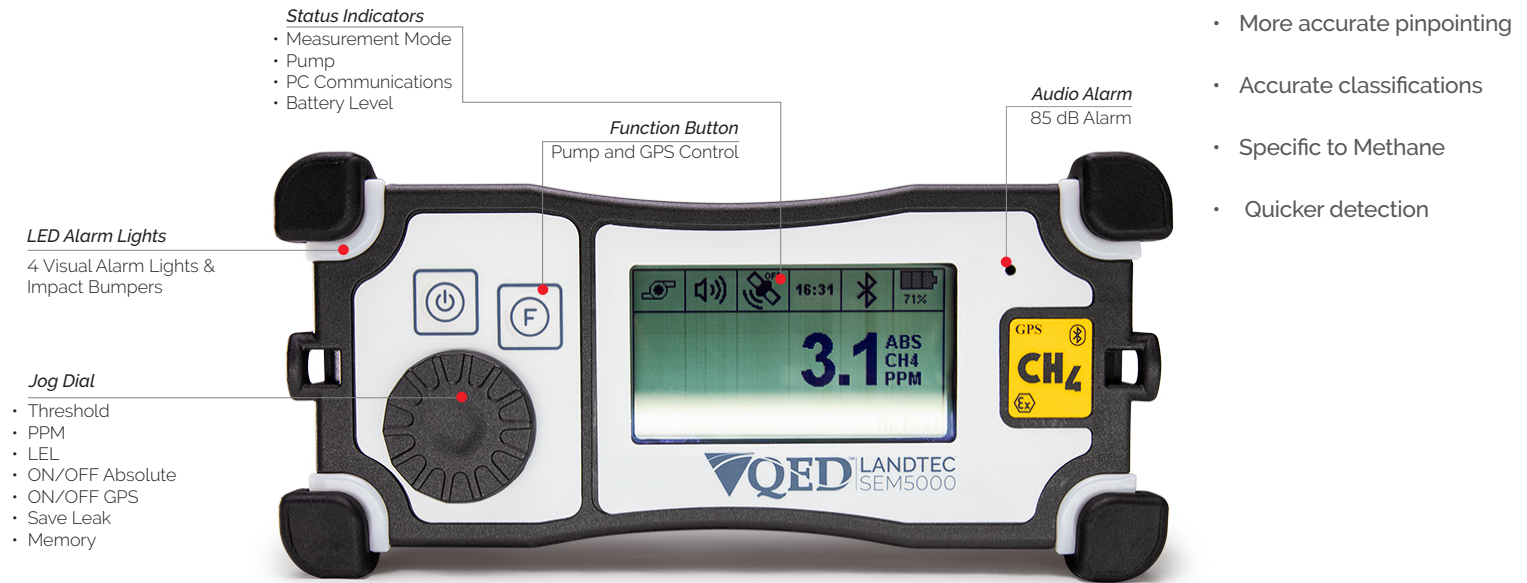


## THE EASY WAY TO MONITOR SURFACE EMISSIONS

The SEM5000 Portable Methane Detector is the ideal instrument for landfill surface emissions monitoring, reporting and detecting potential leaks at wellheads and surface penetrations. Thanks to our patented LASER technology, the SEM5000 is selective, specifically to methane and is able to detect methane emissions from 0.5ppm to 100% concentration. The SEM5000 is ATEX Zone 1 certified and meets all Method 21 requirements, making it the perfect tool for regulatory compliance.

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# SEM5000



- More accurate pinpointing
- Accurate classifications
- Specific to Methane
- Quicker detection

## TECHNICAL SPECIFICATION

Target Gas	Methane (CH4)
Detection Method	Tunable Diode LASER Absorbtion Spectroscopy
Measurement Range	0.5ppm to 100% volume
Instrument Resolution	0.1ppm (0 - 100ppm) 1ppm (100 - 1,000ppm) 5ppm (1,000 - 5,000ppm) 10ppm (5,000 - 10,000ppm)
Pump Flow Rate	0.6 to 1 l/min
Sampling Probe Outside Diameter	4mm
Intrinsic Safety	ATEX Zone 1 Ex II 2 G Ex ib op is IIB T3 Gb Tamb: -30°C to +50°C
Response Time	T90 = 2.5 seconds T90 = 3.5 seconds (w/probe)
GPS Accuracy	2 to 4 meters
Power Supply	Lithium Ion Rechargeable Battery Pack (3.7V - 4000mA/h)
Battery Autonomy	10 hours at 20C (with backlight activated). 8 hours at extreme temperatures
Battery Charge Duration	8 to 10 hours to full charge
Temperature Range	-25C to 50C
Warm Up Time	30 to 60 seconds
Weight	1.6 kg
Enclosure Protection Level	IP65 / NEMA4
Factory Calibration Requirement	2 years
Field Calibration	Daily (meets Method 21; sections 7.0, 8.0)

