GAS TRAC® FMD

FIXED METHANE DETECTOR

ADVANCED METHANE MONITORING SYSTEM

COMPATIBLE WITH

SENSIT Technologies

GAS•TRAC® FMD

FIXED METHANE DETECTOR

REMOTE METHANE MONITORING PLATFORM

The **GAS•TRAC® FMD** is an active sampling system equipped with a tunable diode laser spectroscopy (TDLAS) cell capable of detecting methane as low as 200 PPB. When equipped with an anemometer, the **FMD** is capable of localizing leaks, as well as providing state-of-the-art data to aid in quantification.

Outgoing data is transmitted via cellular to either **SENSITConnect** or the user's chosen server. Advanced analytics, alarms, and automated alerts are available via **SENSITConnect**. Integration with other software infrastructure is available upon request.

The **FMD** is designed for autonomous and continuous operation via solar panel or connected power. Setup is quick and easy. The **FMD** weighs 15 pounds and can be deployed on a tripod, providing easy portability, or it can be permanently mounted to a pole.

This system is the perfect addition to any continuous compliance monitoring or event survey strategy.

STANDARD FEATURES

- Methane Selective Internal Optical Assembly for Local Detection
- Built-in Sampling Pump
- Built-in Rechargeable Battery
- Wireless Communication to Secure Server
- Continuous Datalogging

APPLICATIONS

- **Greenhouse Gas Emissions Monitoring**
- **Periodic Environmental Compliance**
- **Leak Detection and Localization**

STANDARD KIT

Controller Box
Tripod
Solar Panel
Instruction Manual

OPTIONAL HARDWARE:

Ultrasonic Anemometer
Vane Anemometer
Indicator Alarm Light
Alarm Siren
Calibration Gas

PRODUCT SPECIFICATIONS

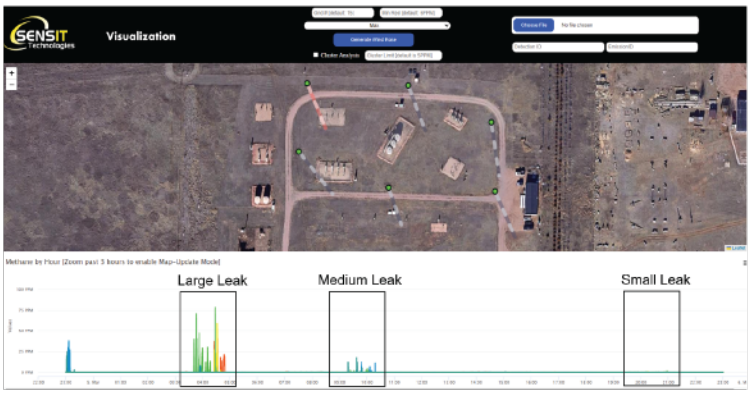
Size: Fully assembled with anemometer and antenna D x W x H (8in x 12in x 24in)
Weight: Base unit: 15 lbs approx
Operational Temp: -20°C to 50°C (-4°F to 122°F)
Operating Humidity: 0% and <95% non-condensing
Storage Temp: -40°C to 60°C
Battery Life: 8 Days without Recharging via Solar Panel
Power Requirement: Built in Rechargeable Battery Maintained by Solar Panel
Power Consumption: Less than 2 Watts
Environmental Pressure: 68kpa-115kpa
Laser Safety: Class IIIr
Enclosures: NEMA 4X Fiber Reinforced Enclosure
Communication Interface: Local USB and Cellular. Local wireless available upon request.

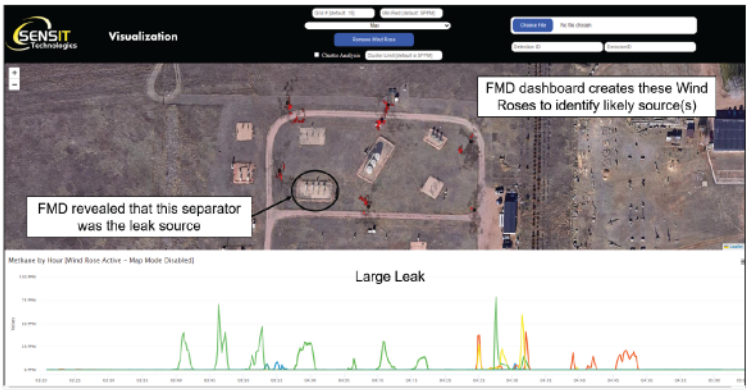
DETECTOR SPECIFICATIONS

PARAMETER	DESCRIPTION
Technologies	Near IR TDLAS with Multi-pass Cell
Wavelength	~1650 nm
Methane Range	0-100 vol.%
Methane Resolution	0.2 PPM (200 PPB)
Methane Accuracy	10% (+/- 0.5 ppm min)
Methane T90	<10 seconds
Laser Life	>5 years
Pre-Filter Life	6 months estimated
Internal-Filter Life	6 months estimated
Pump Life	10,000 hours

6 FMDS DEPLOYED AT A SIMULATED OIL AND GAS SITE. CONTROLLED EMISSIONS INTRODUCED.

ADVANCED METHANE DETECTION SYSTEM CAPABLE OF IDENTIFYING AND LOCATING INTRODUCED EMISSIONS.





GAS•TRAC® FMD
Accessories & Replacement Parts

GAS•TRAC® FMD	Part # 932-00000-50
Controller Box	Part # 832-00000-50
Laser Assembly	Part # 870-00103
Vane Anemometer	Part # 882-00187
Solar Panel	Part # 870-00110
Ultrasonic Anemometer	Part # 870-00114
Indicator/ Alarm Light	Part # 870-00107
Alarm Siren	Special Request
Tripod	Part # 870-00149

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WITH GLOBALLY SOURCED COMPONENTS

SENSIT Technologies
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