

## Product Overview

The Soofie® is the latest in advanced Continuous Emissions Monitoring Systems, characterized by its sleek, industrial design and dependable connectivity.

Designed specifically for real-time tracking and reporting of emissions and other invisible gases, it provides 24/7 surveillance for facilities within the oil and gas industry and other carbon-intensive sectors.

Soofie® meets global environmental standards and offers precise measurements of key pollutants including CH<sub>4</sub>, CO, H<sub>2</sub>S, TVOC, and CO<sub>2</sub> ensuring comprehensive compliance and monitoring solutions.



## Key Features

### Comprehensive Gas Analysis

Detects and analyzes multiple gases including CH<sub>4</sub>, CO, H<sub>2</sub>S, TVOC, and CO<sub>2</sub>.

### Remote & Local Hardware Health Monitoring

Ability to view real-time and long-term trended tilt, GPS, cellular/connection, sensor data, wind data, and embedded serial numbers using the Soofie® mobile app and enterprise dashboard.

### Advanced GPS Technology

Integrated GPS for precise hardware location tracking, enhancing emissions quantification and improved source triangulation.

### Ultrasonic Anemometer

Delivers precision and ability to measure small-scale variations in wind; the solid structure offers enhanced durability, considerably reducing maintenance needs, outperforming cup and vane-style anemometers with moving parts that wear out and break easily.

### Weather-proof design

Enclosed in a hermetically sealed casing, designed protects the system against environmental elements.

### Solar Power Source

Energy-efficient power system that extends runtime by 50%, with a fully charged battery lasting up to 6 days without additional charging; Features a simple, single switch to power on the Soofie®.

### Single-piece bracket design

Simplifies the installation process, go from box to fully installed in just minutes; the fixed anemometer placement ensures it is oriented "True North" for correct quantification.

### Improved Communication

Upgraded communications hardware which includes a new external omnidirectional antenna, specifically tuned to Soofie®'s application, with options to attach a directional antenna and/or a pole mounted antenna for extended coverage.

Technical Specifications

Material

Polymer material with powder-coated aluminum brackets offering enhanced durability, UV stabilization, fire-resistance, and anti-corrosion properties.

Operating Temperature: -20 to 70°C

Methane Sensor: 625 ppm max

Methane Lower Detection Limit: 0.4 kg/hr

Dimensions

22 x 14 x 10 inches.

Weight

19 lbs.

Sensor Performance

Sensor	Resolution	Accuracy	Drift / year
Methane	50 ppb	± 12%	<1%
TVOC	± 5%		
Temperature	0.01 °C	± 0.1 °C	<0.03 °C
Humidity	0.01 °C	± 1% RH	H <0.2% RH
Pressure	0.13 mbar	± 2.5 mbar	± 1 mbar
Wind Speed	0.01 m/sec	± 2%	
Wind Direction	1°	± 2°	
GPS		± 2.5m	

Sensor	Maximum Sensed Concentration	Resolution
H <sub>2</sub> S	22 ppm	0.040 ppm
CO	40 ppm	0.004 ppm
CO <sub>2</sub>	5,000 ppm	± 50 ppm + 3%

Data Output

- Digital dashboard, API, FTP, and .csv/Excel exports.

Installation

- Detailed installation guide and user manual provided upon request. Contact your SLB business development manager.

Certifications & Scientific Studies

- Certifications: FCC Part B-certified; New Mexico Alarm certification.
- Scientific Studies: METEC-ADED 2024 participation; 2022 & 2023 Stanford Controlled Release study.

Support and Additional Services

- Support Options: Phone and email assistance available Monday through Friday from 8 AM – 5 PM CST.
- Additional Services: On-site installation, annual maintenance contracts, and training sessions available.