# Our Clients:

**We are proud to work with leading companies around the world.**

The logos below represent only a small selection of our valued clients.

Alliance Technical Group (25 Year Anniversary)
ENGIE
Monitor Emissions — Indigenous Owned
Kinder Morgan — Delivering Energy. Improving Lives.
Talanza
Energy Transfer
Woodside Energy
socrate — Working for Sustainability
KVR
Sequitur — Energy Resources LLC
enviTek
OSS Enviro
Marathon
expand
Wapiti Energy
Insight Environmental
Vema Carbon
Williams
CMS Energy
Targa
ONEOK
Korsa
NAM
Heath Services — 50 Years
KODA
FGSZ

Our equipment is trusted and used across **North and South America, Europe, Asia, Australia,** and **Africa**, serving industries that rely on precision, safety, and performance.

ADD GLOBE

# GFM 2.0

## Gas Flow Meter 2.0

The gold standard in High Flow Sampling


Methane Challenge — U.S. EPA
Classified — UL — US
Ex
GMP — Oil And Gas Methane Partnership 2.0

**UL Certified Class I, Div. 2**
**OBAC 24 ATEX 0212X, Issue 0 Certified**
**EPA fully compliant**

AddGlobe, LLC | www.addglobe.com | info@addglobe.com | 561-985-7523
1650 Arabian Drive, Loxahatchee, FL 33470

# GFM 2.0

## Gas Flow Meter 2.0

Addglobe' s Gas Flow Meter 2.0 is a light weight, portable, explosion-proof, rechargeable instrument that will calculate a real time volumetric leak rate from compressor rod packing, wet/dry seals (off turbine compressors), blow down systems, including main line suction and discharge valves, blow down valves, pressure relief valves, emergency shutdown valves, storage and condensate tanks, pneumatics and all other pipe connectors typically found within a natural gas facility.

### Why choose AddGlobe?

The GFM 2.0 is the preferred high-volume sampler among LDAR/Measurement technicians today because of the great design features. It is the lightest weight sampler on the market today ensuring technicians have maximum maneuverability across a compressor station to ensure the best and safest access to fugitive methane leaks of any kind. GFM 2.0 can easily quantify 98-99% of methane emissions from a common natural gas compressor station. Addglobe's GFM is the easiest sampler on the market to learn, operate, maintain and manage data.

The long battery life also ensures technicians have the power they need to get through a full day without changing batteries.

### How Does it Work?

The GFM is a direct measurement tool, like a vacuum cleaner, that pulls a high rate of air, allowing the complete capture of escaping gas from a leak source to be measured. The air and gas come into the sampling hose allowing the flow measurement tube to accurately measure the gas concentration and the flow rate of the sample to be calculated. A secondary background sensor ensures even greater accuracy as it subtracts secondary leak sources while ensuring complete capture of the intended leak being measured. The GFM automatically compensates for the difference in gas content between the sample and the ambient air, thus ensuring a highly accurate leak rate. To eliminate the influence of high-order hydrocarbons on the measured values of the natural gas leakage, the GFM corrects the leak reading by using a proprietary Oxygen Displacement Method© and the Methane/ Natural Gas Coefficient.

### Features and Benefits:

- Most portable, lightweight sampler at 9.4 lbs (4.2 kg)
- Rechargeable LiPo battery with 8+ hours of continuous run time or 65+ hours of standby time
- Bluetooth interface with Android operating format.
- Android Armor X waterproof, shockproof phone included
- Smart filter/sensor block design for DIY maintenance and sensor replacement
- IP 67 rating (ingress protection) against dust and rain
- Fully compliant EPA testing mode for OOOOb with robust report generation

## Technical Specs

| | |
|---|---|
| **Display** | Graphic TFT display |
| **Control Buttons** | On/Off |
| **Connection** | Bluetooth, USB |
| **Measured Quantities** | Sample flow rate<br>Background gas concentration<br>Gas concentration in the sample<br>Battery capacity |
| **Estimated Values** | Leakage concentration taking into account the background gas level<br>Leak intensity<br>Difference between 1st and 2nd leak rate measurement |
| **Variable Speed Blower Fan Intake Capacity** | 0.01 CFM to 12.36 CFM; 0.28 to 350.0 l/min;<br>0.01 to 14.2 kg/hr* |
| **Measured Sampling Flow Rate** | 0.01 CFM to ~22.0 CFM; 0.28 to ~623 l/min;<br>0.01 to ~26.6 kg/hr† |
| **Minimum Detectable Leak Rate** | 0.008 SCFM (From 0.15 l/min) |
| **Leak Rate Measurement Error** | ±5% of reading |
| **Temperature** | Operational: -4° to 122°F (-20° to 50°C)<br>Storage: -40° to 140°F (-40° to 60°C) |
| **Humidity** | 5 to 95% RH (Non-condensing) |
| **Pre-installed Sample Flow Rates** | Maximum: 12.36 SCFM (350 l/min)<br>Medium: 8.82 SCFM (250 l/min)<br>Low: 5.29 SCFM (150 l/min)<br>In Two-Stage Mode: Second speed lower than initial speed by 25% |
| **Method of Measurement** | Pressure drop across the Venturi tube |
| **Flow Measurement Accuracy** | ±5% of reading |
| **Natural Gas Sensor** | Optical method<br>Range from 0 to 100% methane by volume<br>Accuracy is ±5% of reading or 0.1% methane, whichever is greater<br>Oxygen correction method<br>The range is from 5 to 100% natural gas by volume<br>Accuracy is ±2.5% natural gas by volume |
| **Battery** | Type: Intrinsically Safe, low-temperature rechargeable LiPo<br>Rated voltage: 3.7 V<br>Capacity: 10.0 Ah<br>Charging time: Up to 10 hours<br>Duration of work: 8+ hours (cyclic mode) |
| **Sampler memory** | Cyclic: 50 hours of work |
| **Measuring memory, photographs of the object** | Limited by phone memory |
| **Dimensions** | 11.4" × 11.2" × 4" (29 cm × 28.5 cm × 10 cm) |
| **Weight** | 9.4 lb (4.2 kg) |

* 12.36 CFM is the nominal blower intake capacity rated under standard test conditions; it does not represent the upper measurement limit of the instrument.
† Field validation has demonstrated stable quantification performance up to approximately 22 CFM total flow under real operating conditions, verified against calibrated bag measurements.

Complete Kit includes main GFM console, Android Armor X phone, accessory bag with 6 Foot Sampling Hose with background tubing, nozzle tip, wall plug charger, vehicle charging cord, ground cable, calibration tubing with rotameter and tee connector, spare filters, operating manual, EPA Compliant Calibration Certificate, waist harness and backpack, soft carrying case with shoulder strap.