



For over 50 years, Sensors, Inc. has built a reputation for gas and particulate measurement products under the SEMTECH® brand in the automotive industry. Their fugitive methane analyzer is the latest entry in Sensors Emissions Measurement Technology (SEMTECH®) family.

Sensors' fugitive methane analyzer brings to bear our emission measurement experience into the oil and gas industry with a focus on leak detection and repair (LDAR).

Sensors, Inc. is proud to present the latest in direct quantification of leaks in the 0.0005 to 25 CFM range with accuracy better than 5%. This device uses state-of-the-art flow and gas sensing technologies that are integrated into a handheld unit for accurate measurement during established LDAR programs.

For ultimate flexibility, the SEMTECH® HI-FLOW 2 is separated into:



- ✓ Sampler - Handheld device with a high-volume vacuum sampling fan and total flow-rate monitor.
- ✓ Analyzer - Portable control module (which can be carried, placed on the floor, or mounted to a backpack) housing the gas sensor technologies, control electronics, and battery pack.

The combination of these two components (with a variety of sampling adapters) allows the entire fugitive methane emission to be captured, diluted, and quantified accurately.



SPECIFICATIONS

Total Flow Rate*	5-30 CFM (Upper limit dependent on accessories)
Measurable Leak Rate*	0.0005 to 25 CFM
Accuracy	<5% of full scale or 20% of point, whichever is higher
Power	Fan speed dependent, @ max flow, 50W
Warm up time	< 5 minutes
Storage temperature	Dry -10 to 60°C ambient
Operating environment	-10 to 45°C ambient
Electronics and Gas Module Dimensions (W x D x H)	12 x 12.0 x 3.5 in 30 x 30 x 8.75 cm
Handheld Unit w/o extension Dimensions (W x D x H)	24 x 7.5 x 10.5 in 61 x 19 x 12.7 cm
Weight (Electronic and Gas Module)^	18.1 lbs (8.2 kg)
Weight (Handheld Unit)	< 5.5 lbs (<2.5 kg)
Data transmission	Ethernet

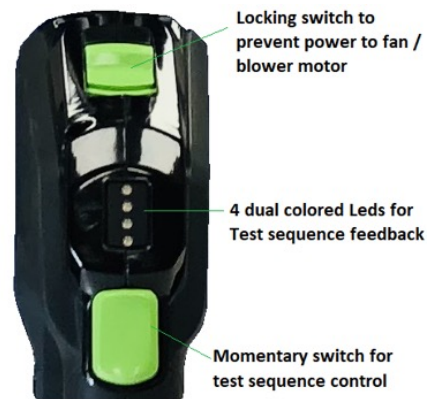
* Inlet restrictions on the HI-FLOW 2 Handheld sampling unit will reduce the maximum achievable flow.

^ Weight assuming full battery pack installed for 8+ hours of continuous operation.

By utilizing Tunable Laser Absorption Spectroscopy (TDLAS) for the accurate measurement of the fugitive methane, the dynamic range for concentrations can accurately span 4 to 5 orders of magnitude and moreover without any cross-interference from other gases present in the captured leak. Coupled with an accurate measurement of the extracted flow (methane leak and ambient air) the volume- and mass-based leak rate of the fugitive methane can be determined with high accuracy over a wide range (for example 0.0005 to 25 CFM).

Designed for intuitive and convenient operation.

- ✓ Modern Wi-Fi web-based GUI interface with manual override and LED status indicators
- ✓ Up to 200 Whr battery pack for uninterrupted daily operation
- ✓ Lightweight and flexible umbilical connections between various components to access those hard-to-reach places
- ✓ Detachable shoulder strap



9030 Monroe Road, Houston TX 77061



713-844-1300



www.heathus.com



info@heathus.com

