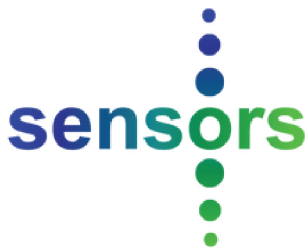


SEMTECH® HI-FLOW 2



For over 50 years, Sensors, Inc. has built a best-in-class reputation for gas emission and particulate measurement products with their Sensors Emissions Measurement Technology (SEMTECH®) brand.

The SEMTECH® Hi FLOW 2 fugitive methane analyzer is the latest entry in the SEMTECH® family.

The HI-FLOW 2

Sensors' fugitive methane analyzer brings best-in-class emission measurement to the oil and gas industry with a focus on leak detection and repair (LDAR).

The device provides direct quantification of leaks in the 0.001 to 25 CFM range with accuracy better than 5%. Also, the 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 flexibility, the SEMTECH® HI-FLOW 2 offers two primary components:

- Sampler - Handheld device with a high-volume vacuum sampling fan and total flowrate monitor (as shown above)
- 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.

Intuitive and convenient design

By utilizing Tunable Diode 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 0.001 to 25 CFM).

- 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

SEMTECH® HI-FLOW 2



SEMTECH® HI-FLOW 2 preliminary specifications:

Total Flow Rate*	5-30 CFM (Upper limit dependent on accessories)
Measurable Leak Rate*	0.001 to 25 CFM
Accuracy	<5% of full scale or 20% of point, whichever is lower
Power	Fan speed dependent, @ max flow, 50W
Warm Up Time	< 5 minutes
Storage Temperature	Dry -10 to 60 C ambient
Operating Environment	-10 to 45C ambient
Dimensions (W x D x H) Electronics and Gas Module	30 x 30 x 8.75 cm 12 x 12.0 x 3.5 in.
Dimensions (W x D x H) Handheld Unit w/o extension	61 x 19 x 12.7 cm. 24 x 7.5 x 10.5 in.
Weight (Electronic and Gas Module)^	8.2 kg. 18.1 lbs.
Weight (Handheld Unit)	<2.5 kg. < 5.5 lbs.
Data transmission	Ethernet

