HI FLOW SAMPLER

Hi Flow Sampler - Measurement of Fugitive Methane Emissions Made Fast and Accurate .

Whether you're managing a leak detection and repair program or active in greenhouse gas trading, the Hi Flow Sampler allows an accurate emission or leak rate to be made in less than one tenth the time required to perform an enclosure measurement. This portable, intrinsically safe, battery-powered instrument will give you the ability to accurately measure leak rates of all natural gas components. This is accomplished by sampling at a large flow rate (between 0.05 and 10.5 scfm) to completely capture all the gas leaking from the component. By accurately measuring the flow rate of the sampling stream and the natural gas concentration within that stream, the gas leak rate can be calculated.

A true dollar value can now be placed on leakage that often resulted in a pegged source through method 21 procedures. The Hi Flow Sampler is the most effective measurement tool available today to help you achieve direct results and great success with your Directed Inspection and Maintenance program. The use of the Hi Flow Sampler will help optimize maintenance budgets by determining which components should be serviced based on the volume of lost gas and the payback period of the repair.

Research by Indaco Air Quality Services through GRI has confirmed that 80% - 90% of lost product is attributed to 10 % of the leaking components. The Hi Flow is the perfect tool you need to identify that 10%.

Who should own a Hi Flow Sampler?

- ***Transmission Compressor Station Operations***
- ***Reliability Technicians***
- ***Distribution Leak Detection and Measurement Departments***
- ***Processing Plants***
- ***Environmental Managers accounting for Fugitive Emissions***
- ***EPA Gas STAR Members***

Why Use The Hi Flow Sampler?

- ***Determine Total Fugitive Emissions and Gas Losses From Facilities***
- ***Determine Cost Effective Repair Strategies***
- ***Document Emission Controls for Greenhouse Gas Credits***
- ***Quick return on investment, 1-3 months***

See back for specifications and ordering information

HI FLOW SAMPLER

Specifications

Measured Values:
Gas sample flow rate
Background gas concentration
Sample gas concentration

Calculated Values:
Leak rate of component under test
Leak concentration corrected for background

Measurable Leak Rate: 0.05 SCFM (1.41 LPM) to 10.5 SCFM (297 LPM)
Accuracy of Calculated Leak Rate: ±10%

Sampling Flow Rate: 10.5 SCFM maximum (297 LPM) at full battery charge

Memory: Stores up to 1000 individual test parameters

Natural Gas Sensor:
Detection Method: Catalytic oxidation / Thermal conductivity
Range: 0 to 5% methane, catalytic; 5 to 100% methane, thermal
Accuracy: ±5% of reading or 0.02% methane, whichever is greater

Battery:
Type: NiMH rechargeable pack
Voltate: 5.5V max.
Recharge Time: 8 to 10 hours
Run Time: >4.5 hours continuous at 68°F

Operating Temperature: 0 to 50°C (32 to 122°F)

Measurement Method: Differential pressure across restriction

Dimensions: 18 x 12 x 7 inches

Weight: 20 lb (0.9 kg)

Agency Approvals:
Designed to be intrinsically safe for use in hazardous locations, Class I, Division 1, Groups A, B, C & D in North America
CAN/CSA-C22.2 No. 157 (June 1992)
ANSI (June 27, 2002)/UL913-2002
CE Mark

PART NUMBER	DESCRIPTION
300000-0	Hi Flow Sampler, natural gas leak rate measurement instrument with backpack, sampling hose assembly, 8-line x 20 character tethered LCD Display, (2) rechargeable battery packs, battery charger and sampling attachments including flange attachments, beveled attachments and capture bags.
8300121	Calibration Kit with blue carrying case and demand regulator, 1 cylinder with 2.5% Methane, 1 cylinder with 99.0% Methane, 3-way ball valve to switch between cylinders.
8300110	Demand regulator only
8300113	Regulator for disposable cylinder

GASTECH instruments

Distributore :
Gastech instruments srl
Via Vittore Carpaccio 2/A - 20090 Trezzano s/N (MI)
Tel. 02 48463405 • Fax 02 48468364
www.gastech.it - info@gastech.it