



## TAKING LEAK DETECTION TO A NEW DIMENSION

The Hi Flow<sup>®</sup> Sampler is a portable, intrinsically safe, battery-powered instrument designed to determine the rate of gas leakage around various pipefittings, valve packings, and compressor seals found in natural gas transmission, storage, and compressor facilities. This is accomplished by sampling at a large flow rate (between 5 and 10.5 cfm) to completely capture all the gas leaking from the component along with a certain amount of air. 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. The instrument automatically compensates for the different specific gravity values of air and natural gas, thus assuring accurate flow rate calculations.

## Why Use the Hi Flow<sup>®</sup> Sampler?

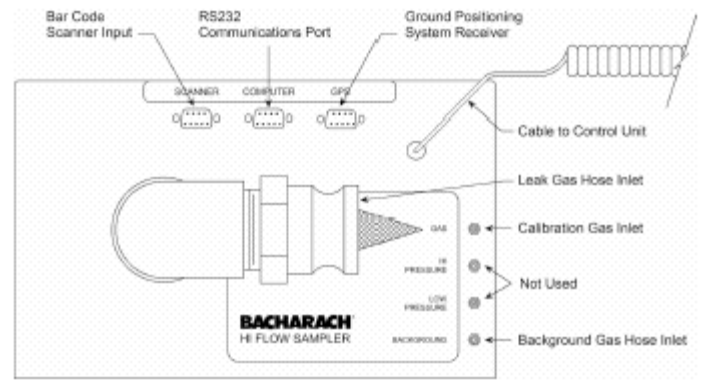
- Identifies problem areas and ranks gas leaks in leak-rate order
- Allows users to determine the potential savings from repairing a leak by calculating cost of lost gas
- Allows users to determine the payback periods for repairs
- Provides permanent record of leakage and repair
- Documents emission controls for Greenhouse gas credits

# Features & Benefits

- One-man operation
- Lightweight
- Automatic or manual flow capture
- Internal Diagnostics
- Re-chargeable, NiMH battery pack
- Intrinsically safe for Hazardous Locations, Class 1, Div. 1 Groups A, B, C, and D

The top panel contains the following 9-pin DIN electrical connections and gas-hose connections:

- COMPUTER – RS232 communications port for downloading stored test data to an external PC
- GPS – Input for future connection to Ground Positioning System receiver
- SCANNER – Input for future connection to Bar code scanner input
- Leak Gas Inlet – Main hose connection used to collect gas from leak source
- BACKGROUND Gas Inlet – Gas hose connection used to sample background levels of CH<sub>4</sub>
- GAS Inlet – Calibration gas connection
- HI PRESSURE & LOW PRESSURE Inlets – Not used



## ORDERING INFORMATION

PART NUMBER	DESCRIPTION
55-7020	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.
55-8002	Calibration kit (less calibration gas), includes on-demand regulator, 3' of tubing and a female quick connect fitting
55-0064	On-demand regulator only
55-0060	Calibration gas, 100% CH <sub>4</sub> , 58 Liter
51-1121	Calibration gas, 2.5% CH <sub>4</sub> , 103 Liter
55-0040	Combustible gas sensor

Bacharach and Hi Flow are registered trademarks of Bacharach, Inc.  
 December 2002, Bacharach, Inc., all rights reserved. All information herein is subject to verification.  
 Product Bulletin 4159 12/02 BIC. Printed in the U.S.A.

For more information about this product or other Bacharach products, call us toll-free at 1-800-736-4666. In Canada, call 1-800-328-5217.

