



# Genie® 701 Portable Sample System

*Your portable sampling solution.*

## Introduction

Using equipment specifically built for extracting natural gas samples for analysis in the field is critical in helping organizations save money and improve gas sample quality. Doing so will maximize the accuracy and speed of their data collection.

Genie® 701 Portable Sample System is the simple, safe and quick solution to provide a representative vapor phase sample from a pressurized line. This system is designed to produce an Analytically Correct™ sample to be analyzed in association with portable analyzers and GCs for quick results.

Our Analytically Correct™ components and sample systems are carefully designed in such a manner that fluid compositions will not be altered in their passage through the system. This process conforms to current API 14.1 and GPA standards. Characteristics include low internal volume, essentially no dead volume, and rapid fluid composition equilibrium.

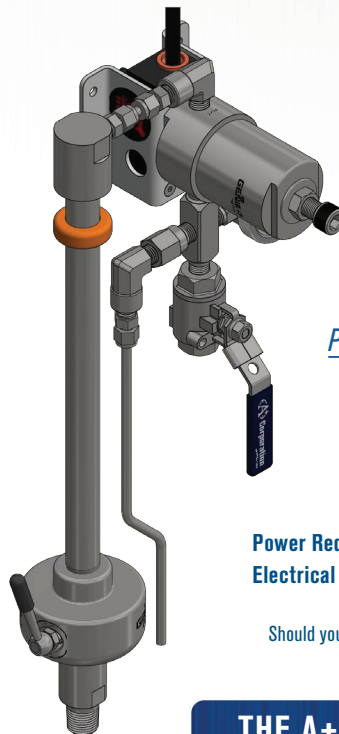
## System Component Breakdown

**Genie 701 Portable Membrane Probe™** We are the only manufacturer that provides an Analytically Correct™ membrane tipped sample probe for insertion inside a pipeline vessel. Our exclusive Pressure Balance™ technique allows for effortless insertion of the probe without the need for additional tools or pneumatic and hydraulic methods. The probe insertion is easily accomplished by inserting through any 1/2" full opening valve by simply turning the handle with your fingertips. The probe's lightweight design makes it ideal for use as a spot or portable analyzer sample probe.

**Genie Heated Regulators™** Connecting either of our A+ manufactured analytical regulators will prevent condensation of the sample gas due to Joule Thomson (JT) cooling during pressure reduction.

### Genie Regulator Accessory Manifold

This low volume Genie® manifold was designed specifically for the gas industry. It typically consist of a pressure gauge, ball valve, and component relief valve. It is designed to thread directly into any Genie® Regulator and provides a means to monitor regulator outlet pressure and block flow.



**Kozy™ Insulator** This blanket insulates the area around the sample tap, valves, probes and pressure regulators to maintain a consistent temperature for sampling.

**Power Cord** Sold Separately.

**Power Requirement:** 110 to 265 VAC, 80W or 24VDC, 25W

**Electrical Connection Approval:** ATEX/IECEX: II2G Ex db IIC T3  
CSA: Class 1, Division 1, Group C&D, T3

Should you need assistance in selecting the appropriate components for your application, please consult the factory.

## THE A+ SYSTEM OF COMPONENTS

- Genie® 701 Portable Insertion Probe
- Genie® Heated Regulator™ Model: GHR™ or JTR-H™
- Genie® Regulator Accessory Manifold
- Kozy™ Insulator

