



# Pressure Equilibration Gas Sampler PEGS

- Automated introduction from gas sampling bulbs
- For GC or other gas analysis systems
- Highly defined sample introduction pressure
- Best possible accuracy and precision
- Sample to sample carry-over eliminated



**GERSTEL**

# Pressure Equilibration Gas Sampler PEGS

The GERSTEL Pressure Equilibration Gas Sampler (PEGS) performs automated sample introduction from up to four gas sampling bulbs, also referred to as gas collection tubes, to a Gas Chromatograph (GC) or other analysis system. Samples are equilibrated at accurately controlled pressure before introduction to

the GC providing the best possible starting point for excellent analytical accuracy and precision. Between samples, PEGS is evacuated and then purged with gas a user-defined number of times, reducing sample to sample carry over to an absolute minimum.

## PEGS Highlights:

- **Sampling pressure and equilibration time are accurately controlled**
  - Best possible accuracy and precision
  - User independent uniform high quality of results
- **Alternating evacuation and gas purge steps between samples**
  - System automatically cleaned for the next sample
  - Sample to sample cross contamination reduced to a minimum
- **Up to four gas sampling bulbs / collection tubes or Tedlar® bags processed automatically**
  - An additional PEGS system can be added to process up to 8 samples.
  - Efficient processing and high throughput
- **Processing of standard gas sampling bulbs / gas sampling tubes with stopcock**
  - Easy automation of existing manual sample introduction protocols
- **Operates with standard GCs with gas sampling valve and sample loop**
  - Simple keypad control of method and analysis sequences or
- **Integrated Software control with one combined Method and Sequence table**
- **Sample integrity tools**
  - User log-in with password control and defined user rights.
  - Keypad can be locked under PC control to eliminate errors and interference

## PEGS Specifications (Excerpt):

Operating Voltage: 100 ... 240 VAC, 50 ... 60 Hz  
Power Consumption: 5 W max.  
Capacity: 4 Holders for 4 gas sampling bulbs  
Purge Gas Supply: Synthetic air, Helium, Nitrogen,  
Operating Conditions: 15 ... 35 °C, max. 50-60 %  
relative humidity, non-condensing  
Dimensions (WxHxD): 31 cm x 18.2 cm x 3.7 cm  
(Excl. gas sampling tubes and connecting lines)



Four Tedlar® bags mounted on the PEGS for automated sampling and analysis

[www.gerstel.com](http://www.gerstel.com)

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