

(Routine / Medium / Heavy) Sampling System

Floor Mounted Model : SS - 250



Protects **Personnel, Plant & Assets**



HNL SYSTEMS OFFERS A COMPLETE VERSATILE, MULTI-FUNCTIONAL, FLOOR MOUNTED, MICROPROCESSOR BASED SAMPLING SYSTEM FOR ON-LINE MEASUREMENT WITH OPTIONS TO USE WITH PC INTERFACE, DATA LOGGER, RECORDER, DATE & TIME

TECHNOLOGY

HNL's SS-250, the floor mounted gas analyzer sampling system is suitable for the continuous measurement of the concentrations of gases such as CO, CO₂, SO₂, NO, O₂, CH₄, H₂. Maximum four of these components can be measured in the analyzer. It comprise of sample tap, sample system, analyzer, sample return, signal transmission and the control system, and connects a gas analyzer to multiple gas-sampling lines via a valve / manifold system. The valve bank is modular to accommodate various gas sampling system needs.

The system includes a multi-port-purge system that uses an auxiliary pump to simultaneously pre-purge one or more sample lines while simultaneously analyzing gas in a specified line. This shortens the time between port-gas measurements by keeping the sample lines filled with fresh sample gas. Sample time at each port is typically 10 to 15 seconds. HNL supplies the sampling system software and system setup to user specifications. The sampling system includes calibration gas cylinders mounted within an enclosure. Each calibration gas has its own ON / OFF valve and pressure regulator. A system may optionally include continuous monitoring of gas pressure and temperature from multiple locations.

SPECIAL FEATURES

- Modular design for flexible configuration
- Pre purge reduces sampling time
- Nitrogen back flush for line cleaning
- Scheduled auto calibration of analyzer
- Manual and auto sampling
- Pre filters protect analyzer
- Integrates with any gas analyzer

APPLICATIONS

- Oil and gas Processing industries
- Natural gas purification
- Oil refining
- Asphalt processing and storage
- Plastic and chemical processing
- Food and beverage processing
- Alternative energy & heat transfer systems

HNL Systems Pvt. Ltd.

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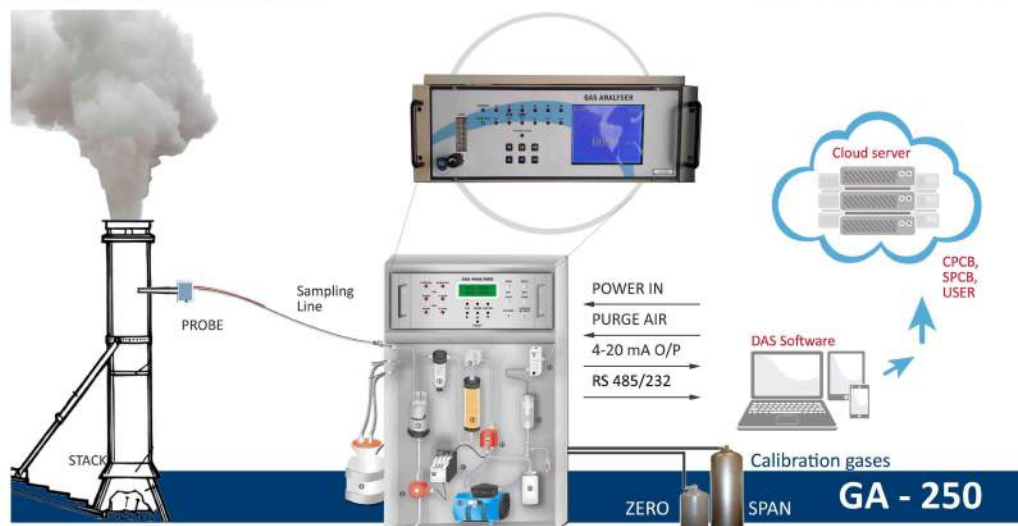
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SPECIFICATIONS

Type	Floor mounted
Features:	Floor mounted sampling system, versatile process gas analyzer
Detectable gases / Parameters	All process gas
Electronics / Processor	Micro-controller
Power supply	230 V AC
Display	Graphic display
Alarm	Controlled alarms
Output	Current, RS 485, Individual relay, Potential free contacts to alarm
Sensor Technology	All sensors
Range / resolution	mg/m ³ , PPM, %V/V, Application defined
Accuracy	± 0.5 % FS
Sample time	10 - 15 seconds
Operating temperature	0 - 55 °C
Sampling / Input	Integrated with sampling system, remote sampling, direct plug-in
Housing / Case	NEMA 4 Cabinet (Optional: Aluminium)
Included accessories	Air Pump, Sample tap, Sample system, Analyzer,
Optional accessories	N/A
Applications	Process analysis, emission analysis
Industries	All, process industries, chemical, petrochemical, paper mills, power plants, steel plants, breweries

OTHER SPECIFICATIONS

Dimensions	40" x 36" x 12" (Typical)
Sample flow rate	200-800 ml/minute
Valve body	Aluminium (Valve stem : Stainless steel)
Tubing	1/8 " Stainless
Media Filters	Aluminium base, twist on case, polypropylene with teflon core
PLC I/O controller	Interface to PC running software on Windows 7

Note : Specifications and Features will vary with application. Due to HNL's commitment to research, design and product improvement, specifications are subject to change without notice.

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