



High Reliability and Low Maintenance

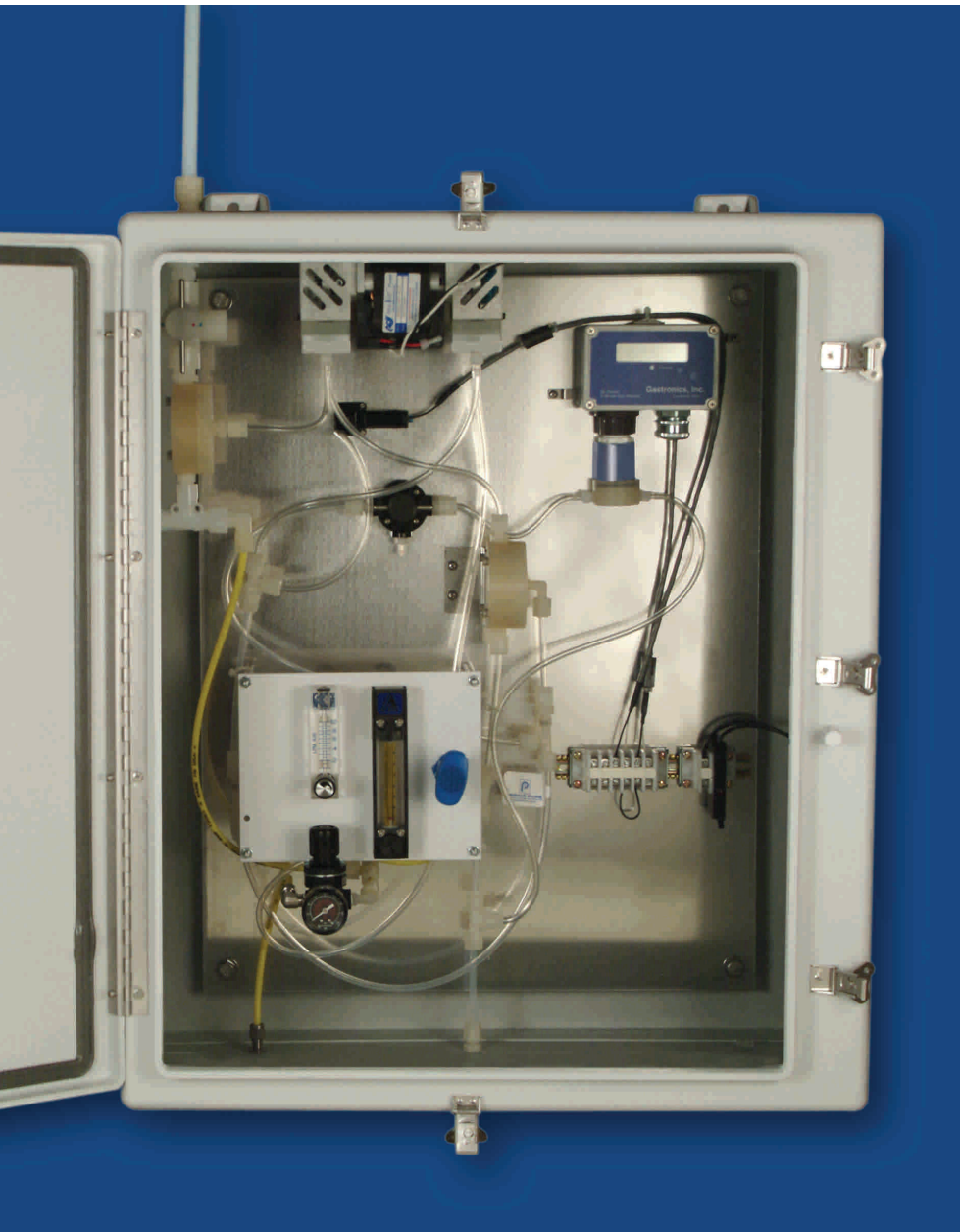
The monitoring of toxic gases in wet stacks has always been a difficult task. Most Continuous Emissions specialists tend to avoid wet stack monitoring for that very reason. Over the years there have been many shop built devices that have attempted to measure such gases as chlorine from a wet scrubber stack but inevitably they just end up quickly becoming clogged resulting in zero gas level readings even when there is actual gas being emitted into the atmosphere.

Over a decade ago, Gastronics began exploring how to reliably measure gas from a wet scrubber stack. Unlike the shop built concepts which could only base their designs on theory, Gastronics was fortunate to have one of our customers let us use their wet chlorine stack to develop on. It took over a year through much trial and error to finally develop a basic concept that proved successful. Our goal was to maximize reliability and minimize maintenance. Although we continually strive for improvement, at the same time, we believe we have accomplished our objective of providing a product with high reliability and low maintenance.

The Model SP2105 Dual ByPass Wet Scrubber Stack Monitor, when properly installed, is designed to eliminate moisture, while rapidly pulling a continual high speed sample from the top of the stack down through a 1/2" Teflon® tube to the monitor located at ground level.

Features and Benefits

- High speed, aspirated, maintenance free, primary by-pass that pulls the sample from the top of the stack to the monitor at ground level in just a matter of seconds
- Redundant By-Pass for removal of condensed moisture
- Durable brushless pumps designed for both corrosive liquids and gases
- Teflon® and Kynar® wetted materials
- Plurality of sensor types and technologies available,
 - Electrochemical, - Paper Tape, - Redundant Sensors
- Silicone Heater Strip Option
- High Reliability
- Low Maintenance



SP2105 Specifications

Dimensions ElectroChemical -----	36" x 30" x 10"
Dimensions Paper Tape -----	36" x 36" x 12"
Enclosure Type -----	Nema-4X Fiberglass
Power Requirements -----	115 VAC
Mechanical Requirements -----	Instrument Air or Nitrogen
Signal Outputs -----	4-20mA / Fault Alarm Relay
Hazardous Rating -----	Optional Z-Purge for Class I, Div. 2

Common Gases Monitored

- Chlorine • Chlorine Dioxide • Phosgene • Hydrogen Sulfide

Schematic Layout

