



SmartCEMS® Portable Gas Analyzer System

Product Overview

The **SmartCEMS® Portable Gas Analyzer System** is a component of a predictive emission monitoring system (PEMS) that provides for continuous stack gas sampling for pollutants and diluents under U.S. EPA 40 CFR Part 60 and/or U.S. EPA 40 CFR Part 75 regulations. The Portable Gas Analyzer System can test up to 6 gases simultaneously, or swap sensors out for additional parameters. It has an innovative dilution systems for the widest testing ranges and greatest sensor protection. The PGAS utilizes a thermoelectric chiller for moisture dropout and a peristaltic hose pump for controlled water removal. It boasts an automatic flow-controlled pump with high strength sampling to over 50 feet away and continuous temperature compensation for assured accuracy.

The SmartCEMS Portable Gas Analyzer System is designed for the rough nature of the job site with features to make testing easier. It comes with an optional dilution system that is proven to be a key feature in many applications where standard sensors are not up to par. The new flow-controlled pump and gas paths, which is built with non-reactive materials, sets the standard in sampling. The PGAS automatically corrects for positive or negative pressure. These features, combined with sample hoses utilizing high-velocity sample transport, gives the user faster response and better sample integrity. The thermoelectric sample conditioner and peristaltic pump routinely removes moisture, giving the user a dry sample for more accurate results.

Product Features

- New digital sensors with integrated circuitry
- Electrochemical and infrared sensing technologies combine to offer long-term measurement stability and superior response
- Advanced temperature monitoring and thermal control strategies
- Smarter diagnostics which provide more information. When conditions or configurations are not correct messages explain the next steps for better sensor protection
- Quick change sensor filters increase sensor life and result in improved accuracy

