

AccuSense®

Chemical Analysis System

Detect - Identify - Quantify
Gas/Vapor Chemical Hazards



SEER TECHNOLOGY



AccuSense® gives First Responders, Industrial Safety Managers, and LEPC members the power of a laboratory-grade, gaseous chemical detection system in a field-portable unit. It's like having an entire chemical lab with you in the field.

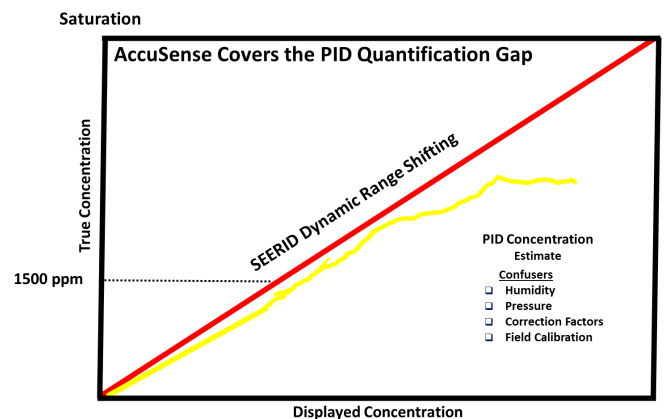
Just push the **button** and the simple to use AccuSense system gives you lab-quality data.



It is the perfect portable field device for the detection, identification, and quantification of **Toxic Industrial Chemicals (TICs)**.

The AccuSense can detect gas/vapor hazards in the low ppm to several times the IDLH concentrations continuously, without user intervention, making it the perfect instrument for uncontrolled, unknown, chemical releases as well as 24/7 **continuous air monitoring** applications.

With its proprietary **Dynamic Range Shifting** feature, the AccuSense will automatically shift to high range and continue to work when other instruments become saturated, shut down, or confused. Typical PID's are only linear to about 10% of their advertised full measuring range. With AccuSense Dynamic Range Shifting concentrations detected are linear throughout the entire listed range with no correction factors needed. There is no other instrument that has the identification, quantification capabilities and chemical specific linear range as the AccuSense.



“Data You Can Bet Your Life On”



Is there a chemical in the air?

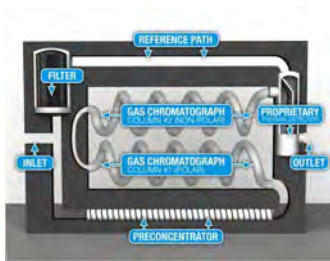
What is it?

How much is there?

With Precision and Accuracy



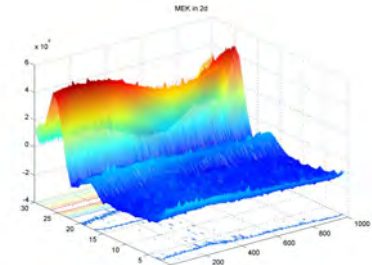
The **humidity** data corruption crisis is over! AccuSense **Advanced Environmental Calibration** automatically and continuously monitors humidity, pressure and temperature. It measures these environmental confusers and calibrates for them in the analysis of each atmospheric sample enabling precise and accurate detect-identify-quantify data. No more futile field calibration attempts.



AccuSense uses **Dual-Hyphenated Gas Chromatography (DHGC)** technology for the separation of chemicals. It implements 180,000 data point to separate multiple chemicals simultaneously. Data is displayed via wireless or Ethernet links to a laptop computer.



Identified chemicals and concentrations are automatically displayed relative to published IDLH (Immediately Dangerous to Life and Health) or private AEL values and displayed on the **SEERID** GUI screen for decision determination.



Each AccuSense chemical **HyperSignature** is a three dimensional “fingerprint” that is highly distinguishable from all other chemicals and from any “confuser” chemicals which can create “false positives/negatives.”

AccuSense solves the **consumables** problem by using **ambient air as its elute gas** source, no argon or helium canisters to be replaced. This results in uncompromised continuous operation capabilities and lack of human intervention during unit deployment. The only AccuSense consumable is electric power. Continuous field operations in hazardous areas where humans should not be exposed is now possible with AccuSense.

The proprietary **detection, identification and quantification** capabilities of AccuSense are a technology breakthrough for the industry and give superior accuracy compared to competitive products and solutions.

<https://seertechnology.com/>