The AccuSense Chemical Recognition System was developed to meet the needs of First Responders and Environmental Health and Safety professionals for a precise, hand deployed chemical detector.

The AccuSense system will detect, identify and quantify multiple Toxic Industrial Chemical Signatures (TICs) at one time, in real time and present analysis results on user friendly SEERID Decision Software displayed on a remote monitor. The detection capabilities and the SEERID interface are designed to alert the user when an Immediately Dangerous to Life and Health (IDLH) situation arises.

AccuSense implements miniaturized dual-hyphenated Gas Chromatograph (GC) technology that requires no consumable elute gases enabling deployment for both continuous air monitoring and point detection applications.

The system offers multiple communications capabilities that allow for monitoring of multiple units from a single remote PC monitor.

The AccuSense System is simple to use, easy to deploy and provides field access to accurate life saving information previously only available from laboratory-based instrumentation.

THE SYSTEM INCLUDES:

- The AccuSense Dual Hyphenated GC Detector
- AccuCOMM communications solution for transmitting AccuSense analysis data
- SEER**ID** Decision Software with AccuSense HD Signature Database for Remote PC Monitor.

AccuSense®
CHEMICAL RECOGNITION SYSTEM

USABILITY
Size Dimensions:
43.2 x 27.9 x 11.4 cm
17 x 11 x 4.5 in
Weight:
Field-Portable = 8.2 kg / 18 lbs
Stationary = 11.3 kg / 25 lbs

COMMUNICATION
Ethernet:
RJ45 10/100 Base-T
Wireless:
User-specified configurations available

OPERATIONAL
Power:
AC 85-250 V
(2) 8-hour Li-Ion rechargeable batteries
Operating Temperature:
-20□C to 50□C

2681 Parleys Way, Suite 201
Salt Lake City, UT 84109
toll free: 877.505.7337
fax: 801.708.7259
www.SEERTECHNOLOGY.com

AccuSense Power Module

Integrated Component

The integrated AccuSense Power Module has an 8 hour Li-Ion battery that combines with the internal AccuSense battery to provide 16 hours of run time. In addition it provides an AC 85-250 V power interface enabling it to charge both batteries in just 6 hours. A quick release lever separates the power module for independent deployment of the AccuSense instrument.

IMS CWA Detector

Optional Accessory

AccuSense offers an optional IMS detector for Chemical Warfare Agents. The quick connect IMS accessory offers fast response times for both nerve and blister agents and displays detection information in SEER**ID** .

AccuSense®

1 DETECT

- Dual-Hyphenated Gas Chromatography (DHGC)
  - Effective separation of multiple chemicals in an air sample
- Sensitivity in ppm to ppb range
  - Chemical sensitivities to exceed IDLH reporting requirements
- No consumables
  - Uses air as elute gas
  - Minimal human interaction
  - Continuous operations with no down time

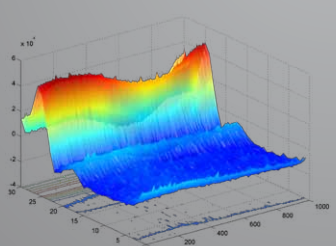
AccuCOMM™

2 COMMUNICATE

- Compatible with off the shelf radio platforms
  - Open communications architecture
  - Integrated radio with base station at PC monitor
- Ethernet option for fixed network deployment
  - Continuous air monitoring
  - RJ 45 Ethernet hard wire connectivity
- Support for up to 8 units per PC monitor

SEERID™

3 IDENTIFY / QUANTIFY



AccuSense Instrument ▸▸▸ SEER Neural Network ▸▸▸ AccuSense HD Signatures

- Mathematically generated neural network algorithms
  - 180,000 data points
  - Two dimensional analysis
- Low false-positive and false-negative readings
  - Minimizes environmental confusers
- TIC's — Wide variety of Toxic Industrial Chemicals
  - Expandable and field upgradeable
- Multiple Chemical Spectra at one time in real-time
- 3-minute sample / analysis cycle

Proprietary SEER lab process introduces known chemical spectra.

Cray Supercomputer-based neural network algorithms create mathematically defined AccuSense High Definition Signature.

AccuSense HD Signature Database resides on remote PC monitor as DB module for SEER**ID** Decision Software and provides chemical signature identification and quantification analysis data to SEER**ID** user interface.

4 DISPLAY

The SEER**ID** interface is simple and easy to use. It presents accurate analysis data in the context of Immediately Dangerous to Life or Health (IDLH) values. SEER**ID** enables quick, life saving decisions.

When IDLH values demand action, a click on the chemical ID brings up the NIOSH Pocket Guide to Chemical Hazards that gives the decision maker critical information that will help them recognize and mitigate occupational chemical hazards.

Real time access to accurate chemical identification and quantification data for multiple chemicals from multiple instruments at one time on one remote display... AccuSense changes everything!

- Graphical sliding bar scale showing IDLH percentage
- NIOSH pocket guide
  - Recommended IDLH exposure limits
  - Personal protection and sanitation recommendations
  - Incompatabilities and reactivities of agents
- Data set supports post-analysis assesment
- Notepad for real-time sample data annotations
- Detailed history logs

SEER**ID** Minimum requirements:
Hardware: Panasonic Toughbook **Software:** MS Windows 7 / MS Windows Dot.NET 3.5 SP2
Requires Internet Connection for Most Effective Operation