# Steri-Trac® Sterilant Gas Monitoring System

*"Protecting What Matters Most"*

OZONE PERACETIC ACID HYDROGEN PEROXIDE ETHYLENE OXIDE

ChemDAQ Data Acquisition Computer (DAQ®)

## Overview

ChemDAQ's **Steri-Trac Sterilant Gas Monitoring System** provides the optimal solution for workplace safety assurance, protecting personnel from serious health effects associated with exposure to sterilant gases.

Area monitors work in conjunction with ChemDAQ's **Data Acquisition Computer (DAQ®)** to continuously track and analyze exposure values in areas where sterilant gases are used or stored.

DAQ analysis is based on maximum exposure limits as defined by OSHA, EPA and other government agencies and professional standards organizations, such as AAMI, ACGHI, and CSA.

The Steri-Trac's modular design makes it easy to custom configure an installation to meet the unique design requirements of each facility's individual needs.

## Markets

For single and multi-point / multi-gas installations with data acquisition, Steri-Trac supports:

- Hospitals & Ambulatory Surgery Centers
- Medical Device Manufacturers & Contract Sterilization facilities
- Pharmaceutical Manufacturer Processing & Packaging facilities
- Aseptic Food & Beverage Processing & Packaging facilities
- Bio-Decontamination

## Intrinsically Safe Applications

- Steri-Trac components are NTL listed - UL 61010-1 & CSA C22.2 - and Intrinsically Safe certified for use in potentially explosive atmospheres, including: Class 1, Division 1, Group C & D and Class 1, Zone 1 settings.

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## Modular Design Offers Flexibility and Investment Protection

- Each Steri-Trac Area Monitor is a fully functioning, micro-processor controlled gas detection instrument with tri-color LED display, 2 user-adjustable alarm limits, and digital communications for reporting gas concentration.
- Steri-Trac's simultaneous audible and visual alarms help personnel understand the severity of any situation by displaying actual gas concentrations in monitored areas.
- **Envirocell™** "hot swapable" Sensor Modules support detection of ethylene oxide, hydrogen peroxide, ozone and peracetic acid which can be monitored and managed from a single DAQ platform.

- Steri-Trac Remote Displays duplicate gas readings and alarms from its companion Area Monitor, letting personnel know if it is safe before they enter a monitored area.
- Should you change to a different low-temperature sterilization method, Steri-Trac can easily be converted to monitor your new sterilization process.

## Reliable Means of Protecting Employees

- ChemDAQ's **Spot-On®** ethylene oxide filter in most cases eliminates the false alarms from common background interferents such as alcohols and carbon monoxide.
- Unlike sequential monitoring systems which have delayed readings, the DAQ continuously and simultaneously tracks gas concentration in each area where Steri-Trac is employed.
- The DAQ continuously calculates OSHA permissible exposure limits (PEL) and EPA acute exposure guideline levels (AEGL) for all monitored gases. ***"Impending alerts"*** warn employees before hazardous levels are reached, permitting pro-active measures to avert unhealthful employee exposure.

## User-Friendly Interfaces

- Color-coded graphic display makes it easy to interpret gas exposure in each individually monitored area.
- Touch screen makes it easy to recall data, send to the printer or export to a local file.
- The system is user configured, simplifying the recall of exposure data and report generation.

## Reduced Operating Costs

- ChemDAQ's sensor usage agreement provides factory calibrated sensors at regular intervals via our exclusive **Sensor Calibration/Exchange Program (SXP®)** to ensure the integrity of your system.
- Eliminate the cost, inconvenience and chance for error associated with on-site calibrations or contracts with third-party providers.

## Regulatory Compliance

- OSHA gas monitoring, CFR 1910.1047 & CFR 1910.1000.
- OSHA 30 year exposure record-keeping, CFR 1910.1020.
- Joint Commission standard, EC 02.02.01.
- AAMI ST:41/2005 recommendations.

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