SafeCide™ Real-Time Portable Monitors

Are you safe? How do you know?

Peracetic Acid Vapor Monitoring

Ensuring the Safe and Continued Use of Peracetic Acid in Meat and Poultry Plants

Easy & Accurate Real-Time Portable Monitoring

• Real-time measurement of vapor concentrations in parts per million (PPM)
• Accurate and reliable detection below exposure limits (ACGIH 15-min TWA short-term exposure limit of 0.4 PPM & NIOSH IDLH [pending])
• Sensor can be worn, held or placed giving you the flexibility you need to measure personal exposure or vapor concentration anywhere in your facility

Sensor Calibration/Exchange Program (SXP®)

• ChemDAQ ships you a new, calibrated sensor ~three times per year
• When we advance, you advance. If we improve any technology in our sensor, you receive the update in your next exchange – free of charge.
• Eliminates the cost and time associated with in-house calibration
• Ensures accurate and reliable system performance
• We've got you covered - if you have performance issues with your sensors, we'll help you find a solution

Convenient Tablet Display with Data Storage

• Easy to read display of real-time vapor concentration and continuous calculations of 8 hour & 15 minute average exposures
• Collects and stores real-time exposure data in .csv format for easy analysis and proof of regulation compliance
• Customizable audible and visual alerts to warn of unsafe exposure levels reached

Know the concentration of Peracetic Acid vapors in the air. Anytime, Anywhere.

Portable monitoring is recommended for daily use as conditions can change

• PAA sprayers and dip tanks may put off different levels of vapors each day

• Make sure to incorporate vapor monitoring into your QC and safety program

• Easily assess real-time personal exposure

• Ideal for spot-checking areas of concern

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SafeCide™ Real-Time Portable Monitors

Give employees peace of mind they are safe while minimizing disruptions to your operation. SafeCide provides fast, accurate, real-time measurements of PAA vapor - giving you the ability to prevent or address concerns in real-time. We design with you in mind, and even take care of the maintenance and calibration for you.

Wireless and Portable Sensor Modules

Sensor Module

Tablet w/ SafeCide Application

Tablet Pouch

Sensor Clip

Wall Mount Sensor Clip

USB Flash Drive

- **Envirocell™** wireless sensor modules support gas detection of chemical biocides, such as Peracetic Acid. Others available upon request.
- A usage agreement provides for sensor module factory calibration and distribution to clients at regular intervals.
- ChemDAQ's unique **Sensor Calibration/Exchange Program (SXP®)** virtually eliminates system maintenance.
- **Spot-On®** filter eliminates false alarms from Hydrogen Peroxide, and the sensor does not respond to Acetic Acid (common interferents in PAA measurement)

Intuitive Tablet Based SafeCide Application

- Communicates wirelessly with the sensor through Bluetooth technology and displays concentration levels in real-time on the tablets 8" screen
- Tablet features user adjustable audible and visual (GREEN, YELLOW, RED) alarms to ensure the user is aware the second unsafe levels are reached
- Two modes are available for use: **Intervention Mode** (ideal for spot-checking multiple areas) and **Industrial Hygiene Mode** (ideal for checking exposure over time)
- Intervention Mode includes the ability to 'tag' specific locations for easy analysis after data collection (see example data set, 'Location' column)
- Industrial Hygiene Mode includes tracking and display of time-weighted-average (TWA) exposure levels. This mode is ideal for monitoring personal exposure or exposure in an area over time.
- SafeCide provides detailed data-logging in .csv format during use that can be exported to spreadsheet applications, like Excel, for easy analysis and reporting

EXAMPLE DATA SET

Sensor Serial Number	Sensor Gas Type	TWA Setting(Minutes)	TWA Setting(Hours)		
SAFECIDE0001	PAA	15 Minute TWA	8 Hour TWA		
Date	Time	PPM	TWA(Min)	TWA(Hour)	Location	Alarm
10/18/2016	13:46:20	0.54	0.03	0.01	chiller	-
10/18/2016	13:46:25	0.53	0.05	0.01	chiller	-
10/18/2016	13:52:48	0.01	0.1	0.05	diptank 1	-
10/18/2016	13:52:51	0	0.15	0.07	diptank 1	-
10/18/2016	14:00:54	1.86	1.12	0.32	tote storage area	-
10/18/2016	14:00:55	4.46	2.17	0.5	tote storage area	High Alarm
10/18/2016	14:15:12	0.12	1.58	1.45	Sprayer	High Alarm
10/18/2016	14:15:13	0.1	1.58	1.02	Sprayer	Low Alarm

*This data does not represent actual values. For example purposes only.

Accessories Provided for Flexibility and Ease of Use

- With the accessories provided, you can use SafeCide hands free, mount the sensor to the wall, and easily transfer and store your data. The pouch provided is dirt and waterproof, making it ideal for harsh plant environments.

If you need to control PAA vapor, then you need to accurately measure it.

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