



STERI-TRAC ST2 Fixed Gas Detection System



The ChemDAQ® SafeCide™ 2.0 is a ruggedised handheld device that operates as a fully portable gas monitoring system.

SafeCide portable monitor provides fast, accurate, real-time measurements of chemical vapour, giving you the ability to address concerns in real-time and prevents workplace exposure problems from developing.

Reliable Means of Employee Protection Against Sterilant Gases

ChemDAQ® SafeCide™ 2.0 monitors enable you to effectively manage the breathing environment by providing continuously monitoring the personal exposure of PAA and other sterilant gases.

“SafeCide gas monitoring system effectively manages personal exposure of PAA and other sterilant gases”

- > Ruggedised handheld device, running the ChemDAQ software on an Android platform
- > Real-time measurement of vapour concentration in parts per million (PPM)
- > Two modes of operation:
 - Environment Sampling Mode: Spot checking
 - Industrial Hygiene Mode: 8 hour & 15 minute TWA
- > Bluetooth sensor communication provides for easy sensor placement, up to 30 feet
- > Track exposure data, which can be exported to storage device or cloud via wifi for further analysis
- > Alert messaging by email

A Growing Demand for Peracetic Acid Monitoring

The demand for PAA monitoring systems has grown substantially after safety bosses are starting to take note of the dangers of PAA.

Safety managers are adopting a safety-conscious mindset by ensuring that sterilisation areas are protected by monitoring to create a safe working environment for their employees.

Peracetic acid (PAA) is a liquid sterilant that is used in;

- Disinfection of medical devices in hospitals and manufacturing
- Treatment of bottles and beverage containers prior to filling
- Poultry, meat, seafood, fruits, vegetables and other food items to prevent foodborne illnesses



Technical Specification

PARAMETER

Sensor-monitor communications

Calibration

Calibration interval indicator¹

Hot Swap sensor module

Battery Life

Warm-up time for new sensor module

Weight

Dimensions

Repair

Sensor used with

DETAILS

Digital – USB

Bluetooth

E-Cell™ factory calibrated replacement sensor modules

LED on front:

Green OK,

Orange needs replacement

Red outside calibration interval, call for new sensor

Yes

Typically > 20 hours, battery life indicator in on/off switch

< 60s

230 g (8.1 oz)

12.7 x 8.3 x 5.1 cm(5.0" x 3.25 x 2.0)

Return to ChemDAQ, no user serviceable parts

SafeCide™ monitor, Steri-Trac® 2+ monitor

Gas Sensor Specification

PARAMETER

ETHYLENE OXIDE (ETO)*

HYDROGEN PEROXIDE (H2O2)

PERACETIC ACID (PAA)

Sensor Principle

Electrochemical

Electrochemical

Electrochemical

Range

0 – 50 ppm

0 – 20 ppm

0-3 ppm

Accuracy²

10%

10%

5%

Calibration Interval

4 months

4 months

4 Months

Resolution

0.1 ppm

0.1 ppm

0.01 ppm

Temperature Range

-20 to + 50°C

0 to + 50°C

-20 to + 50°C

Pressure Range

Atmospheric +/- 10 %

Response Time (T90 (s)) < 140

< 150

<120

Relative Humidity 15 to 95 % noncondensing. Dew Point> 0°C

Repeatability: Greater

0.2 ppm

0.2 ppm

0.02 ppm

of X or 5% of signal. X =

Output

Linear

Linear

Linear

Spot-On® Filter

Yes

Not needed

Yes

1 Specifications subject to change

2 Relative to calibration gas

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