ANDERSEN PRODUCTS

Most effective sterilant
Most efficient steriliser

AN91/ 92/ 93 AirScan Personal Badges

100% Ethylene Oxide Sterilisation

Operator Safety

Ethylene Oxide monitoring product for use with Anprolene and EOGas sterilisers.

Andersen sterilisers use tiny volumes of EtO in comparison to industrial chambers, making them inherently safer. The detectors provided by Andersen routinely establish that EtO levels are below the detection limit. Both chemical and electronic detectors can do this. However, beware.... Both technologies have significant cross-sensitivities. For instance, wiping down a work bench with an alcohol based disinfectant will commonly cause both types of detector to register a positive reading.

AirScan® single use monitoring badges measure personal exposure to Ethylene Oxide (EtO). Results are obtained by the operator on site; no instruments or laboratory analysis are required. Available for 8-hour Time Weighted Average (TWA) or for a 15 minute period (Short-Term Exposure Limit, STEL), e.g. when a steriliser is being unloaded.

AN91 8-hour TWA
AN92 15 minute STEL
AN93 8-hour TWA & 15 minute STEL

Safety By Design

The sterilisation chamber (sterilisation bag) is held within a negative pressure cabinet to protect the operator from EtO exposure.

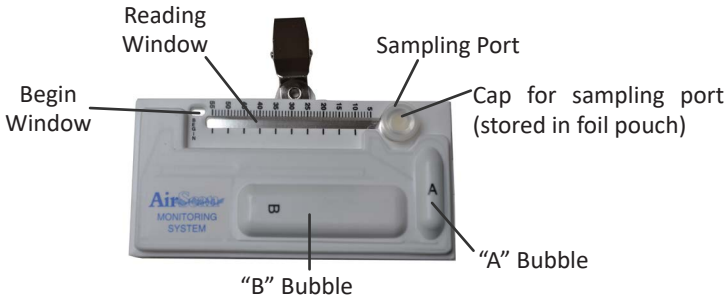
Other detectors available:

Hand-Held EtO Monitor:
Robust EtO detection unit with easy to read display and multiple, adjustable alarm settings for low, high, TWA and STEL set points. Logging version available on request.

Dräger Accuro Monitor:
Reusable hand bellows and single use tubes for accurate spot measurement. Easy to read, immediate read out.

ANDERSEN PRODUCTS
the future of gas sterilisation

AirScan Badges



Operating Instructions:

Step 1: Activate Monitor

- Place cap over sampling port.
- Lay monitor flat on table.
- Press "A" bubble until it snaps.

- Pick up monitor with right hand and gently tap once in the palm of your left hand.
- Lay monitor on table and wait until green line appears in begin window (1-5min)

Step 2: Begin Sampling

- Record start time on back of monitor.
- Remove cap from sampling port.
- Clip monitor near breathing zone.

Step 3: End Sampling

FOR TWA SAMPLING:

- After sampling for a full shift (4-8 hrs), place cap over sampling port.
- Record end time on the back of monitor.
- Proceed to Step 4

FOR STEL SAMPLING:

- After sampling for 15 minutes, place cap over sampling port.
- Record end time on back of monitor.
- Keep monitor in sampling position (clip side up) with cap on for 30 minutes before proceeding to Step 4.

Step 4: Develop Monitor

- Remove cap from sampling port.
- hold monitor upright with both hands as shown.
- Press "B" bubble until it snaps.

- Turn monitor to the left so the clip is in the down position.

Hold until the green developer fluid completely fills the reading window and it completely saturates the white disc in the sampling port.

- If the disc goes not begin to turn yellow/green immediately after the developer solution fills the reading window, gently tap the corner of the monitor closest to the sampling port onto the palm of your hand, until the disc begins to turn colour.

- Lay monitor flat on table for 6 -7 minutes. Be sure that the entire reading window remains filled with fluid.

Step 5: Read Results

- Pick up monitor and turn it upright to drain developer solution out of reading window.

- Read the length of the frosted blue/green developed line at its tip.
- Refer to the conversion chart to obtain reading in PPM.
- If no line is visible, exposure is less than the minimum value on the converison chart.

Free Key Operator Training

Andersen provides free training for as many operators as required, for the lifetime of the cabinet.

ANPRO® ANDERSEN PRODUCTS
the future of gas sterilisation

H.W. Andersen Products Ltd
Unit 808, Oakwood Business Park
Fowler Road
Clacton-On-Sea, CO15 4AA
United Kingdom
Tel.: +44 (0)1255 428 328
email: uk@anderseneurope.com
www.anderseneurope.com

H.W. Andersen Products, Inc.
Health Science Park
3202 Caroline Drive
Haw River, NC 27258-9564
USA
Tel.: 800-523-1276
email: customerservice@anpro.com
Ref:- AirScan Badges Flyer 201602a