Access continuous EtCO\textsubscript{2} monitoring and infusion therapy on a single platform

Alaris\textsuperscript{®} EtCO\textsubscript{2} module

Continuous respiratory monitoring across all patient care areas

Setting the standard of care in infusion safety

PCA pause protocol helps clinicians automatically pause patient-controlled analgesia (PCA) infusions when hospital-established respiratory rate alarm limits are exceeded. This unique Alaris System feature helps you identify adverse ventilation events and manage ventilatory complications. It also may help you diagnose specific medical conditions and select appropriate interventions, such as adjusting opioid infusion parameters, stimulating the patient and/or adjusting supplemental oxygen.

Real-time EtCO\textsubscript{2} and PCA dose trend data

Display trending uniquely helps you view real-time patient PCA infusion dosing, respiratory rate, end-tidal carbon dioxide (EtCO\textsubscript{2}) value and no breath event status. These capabilities help you assess and respond to the patient’s physiological response to PCA therapy.

Alaris EtCO\textsubscript{2} module provides high-performance:

- Easy-to-use plug and play technology
- Patented Oridion FilterLine\textsuperscript{®} EtCO\textsubscript{2} sampling technology that effectively supports intubated and non-intubated patients and oral or nasal breathing
- FilterLine disposables that minimize moisture and humidity in the sampling line, reducing sampling line occlusion
- Oridion Microstream\textsuperscript{®} technology that eliminates moving parts, external sensors and routine calibration
- Customized profiles that add alarm limit flexibility across all patient care areas
Alaris EtCO₂ module, with Oridion-patented Microstream capnography technology

Alaris EtCO₂ module promotes accuracy with:

- Small sampling size (50 mL/min) that measures accurate EtCO₂, respiratory rate, fractional inspired carbon dioxide (FiCO₂) and no breath values for all patient populations, from adult to neonatal.
- Microstream technology laser-based molecular correlation spectroscopy (MCS) that creates an infrared emission, matching the absorption spectrum of CO₂ and eliminating compensation or cross-sensitivity when using oxygen (O₂), nitrous oxide (N₂O), helium (He), nitric oxide (NO) or anesthetic gas.

Alaris EtCO₂ module supports patient safety through:

- Adherence to current American Society of Anesthesiologists (ASA) and The Joint Commission standards recommending CO₂ monitoring for all anesthetized patients (intubated and non-intubated)
- Added safety at the bedside to continuously monitor patient respiratory response to infusion therapy. When used with the Alaris PCA module, it is the first system to introduce PCA pause protocol, real-time EtCO₂ and PCA dose trend data
- Customizable alarm limits by care area utilizing Guardrails® Suite MX software
- Visual indication of respiratory depression through capnography waveform

Oridion provides these disposables:

- Intubated EtCO₂ and non-intubated EtCO₂ (with or without O₂ administration)
- FilterLine EtCO₂ sampling disposables

The Joint Commission 2010 standards

PC.02.01: Improve the recognition and early response to changes in patient condition
PC.02.02: Improve the effectiveness of communication and patient hand-off among caregivers
PI.01.01: Measure process improvement to recognize and respond to changes in patient condition

 Specifications

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<table>
<thead>
<tr>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>Sampling rate</td>
<td>50 mL/min, nominal</td>
</tr>
<tr>
<td>EtCO₂ measurement</td>
<td>0–99 mmHg (at sea level)</td>
</tr>
<tr>
<td>Respiration rate</td>
<td>0–150 breaths/min</td>
</tr>
<tr>
<td>FiCO₂</td>
<td>0–99 mmHg (at sea level)</td>
</tr>
<tr>
<td>No breath limit</td>
<td>0–60 sec (default=30 sec)</td>
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</tbody>
</table>

For more information, contact your CareFusion sales consultant at 800.482.4822 or visit carefusion.com.

References