Outlook® ES Safety Infusion System

Extending Your Outlook on Safety™
To Deliver Better Patient Care

The newest generation of safe, easy-to-use and reliable IV pumps.

B. Safe.
At B. Braun we

“Safety really concerns me.”

The Outlook ES Safety Infusion System is smart enough to address key safety issues, yet easy enough to deliver better patient care.

Known for safety, ease of use and reliability, the Outlook ES Safety Infusion System is an extendable pump platform that can be upgraded to include additional features as the needs of your facility grow.
Safety, reliability and ease of use without compromise.

- Promotes patient safety by helping to avoid accidental under- or overdosing using audible and visual alerts for soft/hard dose limits.
- Provides the ability to customize up to 300 drugs and 15 care areas to match your drug formulary, using the expanded DoseGuard™ drug library.
- Provides reliable operation and accuracy using a proven delivery mechanism.
- Provides comprehensive “at-a-glance” viewing of infusion status on a large color screen.
- Promotes quick and easy drug selection using an active alphabetic drug library matrix.
- Promotes safer and more confident programming with color-coded key pad and audible key clicks.

"It’s important to me that an IV infusion system provides safeguards like dose limits to reduce medication errors, while also recognizing the importance of my clinical judgment."
This smart extendable platform lets you plan for the future today.

- Set-Based, Free-Flow protection meets JCAHO National Patient Safety goals
- Smaller-Sized Decimal values help prevent errors
- Automatic Dose Rate Calculator for added patient safety
- QuickClamp™ Assembly for easy addition/removal of pumps
- Laptop Style NiMH Battery for longer battery life and quick replacement
- Location Name to identify specific unit
- Custom Care Area to match your clinical practice
- DoseGuard™/RateGuard™ Limit Indicator for visual confirmation and titration safety
- Bolus Option for loading dose and on-demand bolus
- Large Color Screen for easy viewing

New features of the Outlooks ES

Traditional features of the Outlook System
Extending the Outlook ES platform starts with the Outlook 200es.

- Promotes safer administration practices by using barcodes to reduce manual programming steps.
- Provides greater flexibility using new imager for built-in scanner and optional handheld scanner for reading both linear and 2-D barcode formats.
- Customizable configuration options allow you to enable patient ID, clinician ID and/or medication label barcodes as they are implemented with your facility.
- Promotes patient and clinician safety using optional drug-specific clinician ID scans for:
  - Dose limits overrides
  - Bolus deliveries
  - Critical medications (dual clinician scans)
- Promotes integrated safety by assigning dose limits to scanned drugs
Improve patient safety with barcoding capability.

“Barcoding not only expedites an infusion, it has made our IV medication administration safer, which gives me peace of mind.”

B. Sure.
Outlook 300es Safety Infusion System

- Access real-time infusion data sent wirelessly from the pump
- No interruption to clinical workflow—infusion data is transmitted automatically
- Save time in documentation—infusion data can be sent to EMAR or EHR

Outlook 400es Safety Infusion System

- Wireless data can be used hospital-wide to improve safety, efficiency and workflow
- Provides a customized solution for your institution’s infusion therapy needs
- Provides rapid access to information, alarms and infusion status

Supported by DoseTrac™ Software (sold separately)
Improve safety, efficiency and workflow across departments with wireless access to infusion data.

B. Smart.

Improve communication between departments while capturing key data that will help you evaluate the safety, efficiency and efficacy of your IV therapy.

Capture data by:  
• Alert type  
• Care area  
• Drug  
• Location  
• Patient  
• Clinician  
• Pump

Utilize data to:  
• Improve patient safety by monitoring appropriate drug usage  
• Preempt potential problems by spotting trends  
• Improve standardization and compliance with medication administration protocols  
• Share data between departments for system-wide improvements

“Real-time transmission of infusion data allows us to proactively identify and intercept potential errors. Pharmacy uses the real-time views to improve just-in-time refills and minimize drug waste.”
“DoseTrac™ provides data that allows me to maximize my medication safety initiatives, achieve best practices and improve communication between departments.”

Track your infusions by delivery mode to monitor and trend the use of the Outlook® ES safety features such as DoseGuard™ and RateGuard™.
Identify potential problems as they occur and increase Nursing and Pharmacy efficiency with real-time access to remaining bag volumes and infusion time left.

Review dose corrections, overrides and their programming details to help you identify “smart stops” and develop proactive measures to reduce the risk of medication errors.
“The analysis and insightful interpretation of the data retrieved from the DoseTrac™ software validated our investment in the Outlook® ES Safety Infusion System. We now have a better understanding of the steps required to help ensure that no dosing event results in an adverse patient incident.”
Identify trends, areas for improvement, standardization, and opportunities for practice enhancements for all stakeholders.

DoseTrac Safety Analysis

Working with B. Braun’s Clinical Support team, we’ll show you how to get the most out of the data you’re collecting, with a minimal amount of effort.

Let B. Braun help you retrieve and analyze the data. We will:

- Capture infusion data
- Analyze the data and report findings to you
- Customize report analysis for different departments
- Identify trends or practices that will help you keep your infusion system safe, effective and efficient
When it comes to implementation, B. Braun offers you a wide range of service and support programs—many at no charge.

PHASE I  Assessment

Analyzing the needs of our customers is always the first step in developing an ongoing partnership. Clinical Nurse Consultants will review your current infusion practice and recommend the optimum number of pumps and tubing configurations to meet patient needs. Pharmacy and Nursing Consultants will help you develop a custom drug library and pump configuration that meet your clinical practice and safety requirements.

PHASE II  Planning

B. Braun will partner with your internal resources to help guide you through the implementation process and provide proven educational tools to ensure a smooth system transition. Our goal and commitment is to train and educate your staff to the highest level of proficiency so when the system is implemented, your staff is well prepared and part of the process.

PHASE III  Implementation

B. Braun’s Clinical Consultants will train and support your staff to help ensure an infusion system changeover without disrupting patient care. At no additional cost, our experts will be positioned throughout the facility to provide clinical education and technical assistance to all departments. Additional implementation options are available on a fee-for-service basis.

PHASE IV  Optimization

B. Braun believes it’s important for you to know your return on the investment you’ve made with us. Optional clinical programs help ensure that the safety features of your infusion system are used to their fullest extent, while DoseTrac™ analysis options help you analyze your infusion data to support quality improvement initiatives.
“Converting a large health system to new smart pump technology was a huge undertaking. However, with efficient planning and a dedicated team of internal and external experts, the process resulted in a successful conversion with lasting implications for improved patient and clinician safety.”

Make a smooth transition while working toward your ultimate goal of reducing medication errors.
### SPECIFICATIONS

**100es**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
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<tbody>
<tr>
<td>Mechanism:</td>
<td>Positive Pressure Displacement Reservoir</td>
</tr>
<tr>
<td>Width:</td>
<td>30.5 cm (12 in)</td>
</tr>
<tr>
<td>Height:</td>
<td>11.4 cm (4.5 in)</td>
</tr>
<tr>
<td>Depth:</td>
<td>22.2 cm (8.75 in)</td>
</tr>
<tr>
<td>Weight:</td>
<td>5 kg (11 lbs)</td>
</tr>
<tr>
<td>Power:</td>
<td>120 VAC, 3A, 60 Hz</td>
</tr>
<tr>
<td>Grounding Resistance:</td>
<td>Meets or Exceeds UL Standard 2601-1</td>
</tr>
<tr>
<td>Leakage Current:</td>
<td>Meets or Exceeds UL Standard 2601-1</td>
</tr>
<tr>
<td>UL Certified:</td>
<td>Yes. Meets or exceeds 2601-1, IPX1 drip rating</td>
</tr>
<tr>
<td>Battery:</td>
<td>12V NiMH</td>
</tr>
<tr>
<td>Battery Operating Time:</td>
<td>7 hrs at 25 ml/hr</td>
</tr>
<tr>
<td>Rate Range:</td>
<td>0.1 to 999.9 mL/hr in 0.1 mL increments</td>
</tr>
<tr>
<td>Volume to be Delivered:</td>
<td>0.1 to 9,999.9 mL in 0.1 mL increments</td>
</tr>
<tr>
<td>OCclusion Pressure:</td>
<td>Adjustable Settings</td>
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<tr>
<td>KVO Rate:</td>
<td>3 mL/hr or selected rate whichever is lower</td>
</tr>
<tr>
<td>Volumetric Accuracy:</td>
<td>± 5%</td>
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<tr>
<td>Alarms:</td>
<td>Air-in-line, Hold Time Exceeded, Low Battery Warning, Plug In Alarm, DoseGuard™ Alert, RateGuard™ Alert, Downstream Occlusion, Check Set, Bag Empty, Upstream Occlusion, System Error</td>
</tr>
<tr>
<td>Tubing:</td>
<td>Horizon® Pump Sets</td>
</tr>
<tr>
<td>Modes/Features:</td>
<td>DOSE Mode with DoseGuard™ Drug Library, Primary and Piggyback Modes with RateGuard™ Solution Library, Loading Dose and On-demand Bolus Modes, Profile Mode, Program Mode, Set Time and Volume, Schedule Next Run, Micro Mode, q(x) Mode, Epidural Mode</td>
</tr>
<tr>
<td>Custom Configuration Software:</td>
<td>Outlook® ES Pump Configuration Editor Software (Required—One time fee, unlimited use license)</td>
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**200es**

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<tbody>
<tr>
<td>DoseScan™ Imager:</td>
<td>On-board imager for linear and 2-D barcode formats</td>
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<td></td>
<td>User-defined bar code options including: Patient ID; Nurse ID; Patient ID on Medication Label—Patient Matching; Medication Label—Automated Programming; DoseGuard™/RateGuard™ Override Scan; Bolus Authorization Scan; Critical Med (Dual Scan); RUN Authorization Scan</td>
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**300/400es**

<table>
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<tr>
<th>Feature</th>
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<tbody>
<tr>
<td>Wireless Radio:</td>
<td>802.11 a/b/g</td>
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<tr>
<td>IP Addressing:</td>
<td>Static or Dynamic (DHCP)</td>
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<tr>
<td>Encryption:</td>
<td>WEP, WPA-PSK (Pre-Shared Key), or WPA2-PSK</td>
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