**BodyGuard 323 Color Vision™**

**Advanced Multi Therapy Infusion Pump**

Join the frontline of infusion therapy with BodyGuard 323 Color Vision™, the latest multi-purpose infusion technology from CME. Based on proven BodyGuard™ technology, the 323 Color Vision™ incorporates outstanding features such as large color screen, Wi-Fi connectivity, and full drug library with automatic calculation of drug concentration.

### Applications
- Total Parenteral Nutrition
- Critical care
- Patient transport
- Emergency medicine
- Fluid replacements
- Lipids
- Enzyme replacements
- Chronic pain management

### Intended Use
- Parenteral
- Intravenous
- Subcutaneous
- Percutaneous
- Intra-Arterial

### Features & Benefits

#### Infusion Program:
- Continuous
- 25-Steps
- TPN
- Intermittent
- PCA
- Drug Library

#### 0.1 to 1200 ml/h Flow Rates
Extra-wide range to serve a variety of infusion regimens.

#### Wi-Fi Connectivity
Equipped with 802.11 wireless protocol that enables wireless integration to Electronic Medical Records (EMR).

#### BodyComm™ Software
Review patient history with charts and up to 2000 events log or manage pump settings on your PC.

#### High Resolution Color Screen
A large multi colored display with exceptional contrast level lets you read all relevant infusion data on a single screen.

#### Piston Pump Mechanism
Ensures superior accuracy and linearity of infusion even at low delivery rates.

#### EMR Ready
Connect to Electronic Medical Record systems to increase safety and optimize clinical workflow.

#### Air & Mobile Medicine
CME infusion pumps provide a complete range of infusion onboard any air or ground vehicle. CME pumps are RTCA-DO160 compliant.

#### Flexible Configuration

- Supports Multiple Languages
  Over 20 languages available to meet your needs and preferences.

- Inpatient/Outpatient Accessories
  A docking station and lockbox are available for pole-mounted use, and a carrying pouch for home care.

- Rechargeable or Disposable Batteries
  Choose a rechargeable Li-Polymer battery or a standard 9V [x2] disposable battery pack.

#### Economy & Convenience

- Extended Technician Menu
  Detailed technical parameters helps technicians save time on service and maintenance.

- Money-Saving Rechargeable Battery
  A recent cost analysis estimates a savings of $600.00 per pump per year using the rechargeable battery.

#### Safety & Security

- Fully Programmable Drug Library
  Reduces clinician error while speeding up treatment set-up. Enable drugs for specific care units to easily navigate your relevant drug list.

- Drug Limit Setting
  Determine hard & soft limits to be adhered to by clinician.

- Pre-Detection of Increases in Downstream Line Pressure
  Helps the clinician to detect potential catheter problems at an earlier stage.

- Post-Occlusion Bolus Reduction System
  Prevents delivery of false boluses following a downstream occlusion event.

- 3-Level Access Codes
  Prevent accidental or unauthorized program changes.

- Built-in Free Flow Protection
  CME administration sets include an integrated anti-siphon valve to meet JCAHO guidelines.
BodyGuard 323™

Multi Therapy Infusion Pump

Deliver the widest range of care you’ll find in one infusion pump. Programmable for antibiotics, chemotherapy, TPN and PCA, the BodyGuard 323™ pump equips you with many therapeutic options. The compact, competitively-priced BodyGuard 323™ pump fits wherever you deliver care. Use it pole-mounted at bedside or at a home environment.

Applications

- Total Parenteral Nutrition
- Critical care
- Patient transport
- Emergency medicine
- Fluid replacements
- Lipids
- Enzyme replacements
- Chronic pain management

Intended Use

- Parenteral
- Intravenous
- Subcutaneous
- Percutaneous
- Intra-Arterial

Features & Benefits

Infusion programs:
- Continuous
- 25-Steps
- TPN
- Intermittent
- PCA

Piston Mechanism
Delivers ± 5% accuracy and 1.8 μl linear infusion even at low flow rates using dedicated infusion sets.

0.1 to 1200 ml/h Flow Rates
Extra-wide range to serve a variety of infusion regimens.

BodyComm™ Software
Review patient history with charts and up to 1000 events log or manage pump settings on your PC.

EMR Ready
Connect to Electronic Medical Record systems to increase safety and optimize clinical workflow.

Air & Mobile Medicine
CME infusion pumps provide a complete range of infusion onboard any air or ground vehicle. CME pumps are RTCA-DO160 compliant.

Flexible Configuration

Supports Multiple Languages
Over 20 languages available to meet your needs and preferences.

Inpatient/Outpatient Accessories
A docking station and lockbox are available for pole-mounted use, and a carrying pouch for home care.

Rechargeable or Disposable Batteries
Choose a rechargeable Li-Polymer battery or a standard 9V [x2] disposable battery pack.

Economy & Convenience

Money-Saving Rechargeable Battery
A recent cost analysis estimates a savings of $600.00 per pump per year using the rechargeable battery.

Uses Standard Medication Bags
Reduce your cost of disposables.

Safety & Security

Post-Occlusion Bolus Reduction System
Prevents delivery of false boluses following a downstream occlusion event.

Precise In-Line Pressure Detection
Detects downstream and upstream pressure; graphically displayed on screen.

Auto Bolus Rate Reduction
Overcome patient back pressure to help prevent transient occlusion alarms.

Built-in Free Flow Protection
CME administration sets include an integrated anti-siphon valve to meet JCAHO guidelines.

3-Level Access Codes
Prevent accidental or unauthorized program changes.
CMExpress™

Trim the complexity and cost of infusion therapy using the CMExpress™ Infusion Pump from CME. This stationary pump is designed especially for the oncology infusion suite or outpatient clinic. The CMExpress™ simplifies continuous infusion, saving you time and money in your busy practice. Plus, it uses CME administration sets that provide safe, accurate performance at an economical price.

Applications

- Hydration
- Pre-medication
- Chemotherapy
- Biotherapies

Intended Use

- Intravenous
- Subcutaneous
- Percutaneous
- Intra-Arterial

Features & Benefits

Multiple Infusion Programs for full treatment range:
- Continuous
- 25 Steps

Multi-Step Ramping Mode
Tritrate rate and volume to automatically ramp up or taper down at pre-programmed intervals.

Piggyback/Secondary Infusion
It’s easy to deliver from a secondary line during continuous infusion.

Piston Mechanism
Delivers ± 5 % accuracy and 1.8 μl linear infusion even at low flow rates using dedicated infusion sets.

High-Visibility LCD Screen
A large, bright-red display lets you read infusion values and messages from across the room.

EMR Ready
Connect to Electronic Medical Record systems to increase safety and optimize clinical workflow.

BodyComm™ Software
Review patient history with charts and up to 1000 events log or manage pump settings on your PC.

Flexible Configuration

Supports Multiple Languages
Over 20 languages available to meet your needs and preferences.

Adjustable KVO Rate
Maintain patency when infusion ends to give yourself more time to manage multiple patients.

Automatic Infusion Displays
No need to scroll through menus to see the status of infusion. The pump’s display cycles to show Infusion Rate, VI and VTBI values.

Rechargeable Battery
The pump will switch from AC to battery automatically in case of a power interruption. The battery enables patient mobility.

Safety & Security

Built-in Free Flow Protection
CME administration sets include an integrated anti-siphon valve to meet JCAHO guidelines.

Precise In-Line Pressure Detection
Detects downstream and upstream pressure; graphically displayed on screen.

Auto Bolus Rate Reduction
Overcome patient back pressure to help prevent transient occlusion alarms.

Go With the Lean Delivery Pump
Run with the new CMExpress™ infusion pump, the lean delivery pump designed especially for greater efficiency and economy in your infusion suite.

3-Level Access Codes
Prevent accidental or unauthorized program changes.
NOA 3™

The Care you Require

The NOA 3™ enteral feeding pump is designed to control application of enteral nutrition. With its light weight, size, and integrated rechargeable battery the NOA 3™ increases mobility and quality of life for mobile patients; it also saves space bedside connected to a mains outlet with its pole-mount charger.

Applications

- Enteral Nutrition

Intended Use

- Enteral
- Paediatric
- Adults

Features & Benefits

3 Modes of Operation for Full Treatment Range:
- Rate
- Rate/volume
- Bolus – automatic; with set intervals

Piston Mechanism
Delivers ± 5% accuracy and 1.8μl linear infusion even at low flow rates using dedicated infusion sets.

0.1 to 600ml/h Flow Rates
Wide range to serve a variety of feeding regimens.

BodyComm™ Software
Review patient history with charts and up to 1000 events log or manage pump settings on your PC.

Flexible Configuration

Bedside or On-the-Go Nutrition
Pole-mount charger with large bright LCD displays key infusion parameters.

Use a pouch or up to 3 liter backpack to fit a day’s worth of nutrition while maintaining an active lifestyle.

Rechargeable or Disposable Batteries
Choose a rechargeable Li-Polymer battery or a standard 9V [x2] disposable battery pack.

Silent Operation
Silent motor operation reduces nuisance to patient.

Supports Multiple Languages
Over 20 languages available to meet your needs and preferences.

Economy & Convenience

Money-Saving Rechargeable Battery
A recent cost analysis estimates a savings of $600.00 per pump per year using the rechargeable battery.

Uses Standard Feeding Sets and Bags
Reduce your cost of disposables by using feeding sets of your choice.

Safety & Security

Post-Occlusion Bolus Reduction System
Prevents delivery of false boluses following a downstream occlusion event.

Precise In-Line Pressure Detection
Detects downstream and upstream pressure.

Auto Bolus Rate Reduction
Overcome patient back pressure to help prevent transient occlusion alarms.

3-Level Access Codes
Prevent accidental or unauthorized program changes.
### Technical Specification

**BodyGuard 323 ColorVision™**  
**BodyGuard 323™**  
**CMExpress™**  
**NOA3™**

<table>
<thead>
<tr>
<th>Feature</th>
<th>BodyGuard 323 ColorVision™</th>
<th>BodyGuard 323™</th>
<th>CMExpress™</th>
<th>NOA3™</th>
</tr>
</thead>
<tbody>
<tr>
<td>Piston Mechanism</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Infusion Modes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Continuous</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>25-Steps</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TPN</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Intermittent</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PCA</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drug Library</td>
<td>Optional</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bolus Infusion</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PCA and Drug Library</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Continuous + Bolus</td>
<td>Optional</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Delay Before Start</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Time/Volume Mode</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Concentration Units</td>
<td>mg/mcg</td>
<td>mg/mcg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flow Rate Accuracy</td>
<td>± 5%</td>
<td>± 5%</td>
<td>± 5%</td>
<td>± 5%</td>
</tr>
<tr>
<td>Flow Rate Range Primary &amp; Piggy (Secondary)</td>
<td>0.1-99.9 ml/h, 0.1 ml/h Steps 100-1200 ml/h, 1 ml/h Steps</td>
<td>0.1-99.9 ml/h, 0.1 ml/h Steps 100-1200 ml/h, 1 ml/h Steps</td>
<td>0.1-99.9 ml/h, 0.1 ml/h Steps 100-1200 ml/h, 1 ml/h Steps</td>
<td>1-400 ml/h, 1 ml/h Steps</td>
</tr>
<tr>
<td>Adjustable Maximum Rate</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Programmable Infusion Time</td>
<td>Up to 100 hrs</td>
<td>Up to 100 hrs</td>
<td>Up to 100 hrs</td>
<td>Up to 100 hrs</td>
</tr>
<tr>
<td>Volume to be Infused Primary &amp; Piggy (Secondary)</td>
<td>0.1-99.9 ml, 0.1 ml Steps 100-9999 ml, 1 ml Steps</td>
<td>0.1-99.9 ml, 0.1 ml Steps 100-9999 ml, 1 ml Steps</td>
<td>0.1-99.9 ml, 0.1 ml Steps 100-9999 ml, 1 ml Steps</td>
<td>0.1-9999 ml, 1 ml Steps</td>
</tr>
<tr>
<td>KVO Rate</td>
<td>0 (OFF) - 5 ml/h</td>
<td>0 (OFF) - 5 ml/h</td>
<td>0 (OFF) - 5 ml/h</td>
<td>0 (OFF) - 5 ml/h</td>
</tr>
<tr>
<td>Resume on Restart</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Ultrasonic Air Sensor</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Single Bubble</td>
<td>0.1 - 2 ml</td>
<td>0.1 - 1 ml</td>
<td>0.1 - 2 ml</td>
<td>1 - 9 ml</td>
</tr>
<tr>
<td>Accumulated Air-in-Line</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Occlusion Pressure</td>
<td>100-1500 mmHg, 10 mmHg Steps</td>
<td>7, 14 or 21 psi</td>
<td>7, 14 or 21 psi</td>
<td>0.5-1.5 bar</td>
</tr>
<tr>
<td>Pressure Sensor Mechanism</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Actual Pressure Display &amp; Graph</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Post-Occlusion Bolus Reduction</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pump Alarms/Alerts</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Air-in-Line</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Air/Up Occlusion</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Down Occlusion</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>End Program</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Low Battery</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>End Battery</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Pump Unattended</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Door Open</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Lock Mode</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Missing Key</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Display</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Size (W/H)</td>
<td>3.7x4.9 cm</td>
<td>6x2 cm</td>
<td>6x2 cm</td>
<td>6x2 cm</td>
</tr>
<tr>
<td>Resolution (W/H)</td>
<td>240x320 pixels</td>
<td>122x32 pixels</td>
<td>122x32 pixels</td>
<td>122x32 pixels</td>
</tr>
<tr>
<td>Power Supply</td>
<td>100 – 240V AC, 50/60 Hz (10W / 0.3A)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Battery</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rechargeable Li-Polymer 7.4V 1800 mAh, Life at 125ml/h:</td>
<td>✓</td>
<td>Up to 17hrs</td>
<td>Up to 15hrs</td>
<td>Up to 15hrs</td>
</tr>
<tr>
<td>Recharge Time (Empty to Full):</td>
<td>✓</td>
<td>6hrs</td>
<td>6hrs</td>
<td>6hrs</td>
</tr>
<tr>
<td>Extended-life Rechargeable Li-Polymer 7.4V 3600 mAh, Life at 125ml/h:</td>
<td>✓</td>
<td>Up to 24hrs</td>
<td>Up to 30hrs</td>
<td>Up to 30hrs</td>
</tr>
<tr>
<td>Recharge Time (Empty to Full):</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Disposable Alkaline 9V (x2)</td>
<td>✓</td>
<td>Up to 12hrs</td>
<td>Up to 10hrs</td>
<td>Up to 10hrs</td>
</tr>
<tr>
<td>Life at 125ml/h:</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Connectivity [Optional]</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RS232 Serial Port</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>802.11 Wi-Fi</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>BodyComm™ Software [Optional]</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Remote Monitoring System [Optional]</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>EMR Interface</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Classification</td>
<td>Type CF, Class II</td>
<td>Type CF, Class II</td>
<td>Type CF, Class II</td>
<td>Type CF, Class II</td>
</tr>
<tr>
<td>Moisture Protection</td>
<td>IPX3</td>
<td>IPX3</td>
<td>IPX3</td>
<td>IPX3</td>
</tr>
<tr>
<td>Dimensions; pump only (H/W/D)</td>
<td>112 x 89 x 40 mm</td>
<td>112 x 89 x 40 mm</td>
<td>112 x 89 x 40 mm</td>
<td>112 x 89 x 40 mm</td>
</tr>
<tr>
<td>Weight (with standard battery)</td>
<td>390g</td>
<td>390g</td>
<td>390g</td>
<td>390g</td>
</tr>
</tbody>
</table>

* Specification may vary depending on software version.
** Manufacturer reserves the right to change the specifications without prior notification.
CME Accessories

Standard Life Battery
Rechargeable Li-Polymer, 1800mAh

Pulse Oximetry
For continuous monitoring of SpO₂ and pulse rate

Extended Life Battery
Rechargeable Li-Polymer, 3600mAh

Tabletop Charger
Charges a standard/extended life battery

9V Battery Pack
Holds two (2) 9V Alkaline batteries

Bolus Cable
Ergonomic bolus-dose delivery handset

Wall Charger
Alternate charger for ambulatory use

Lockbox
Safely secure the pump and medication [100/250/500 ml]

Carry Bags
• Waist or shoulder pouch for 100-250ml containers
• 2 & 3 liter backpacks for TPN patients

CME Disposables

Over 200 set configurations built to meet your clinical needs.
All sets are MicroSet tubing, Non DEHP or Low Sorbing. Components manufactured in-house at the highest quality.

General Infusion
• 5ml prime volume
• Y injection port
• Anti free-flow valve

TPN Infusion
• 8ml prime volume
• 1.2mic filter
• Anti free-flow valve

PCA Infusion
• 5ml prime volume
• Blue stripe
• Anti free-flow valve

Infusion from Syringe
• 5ml prime volume
• Syringe adaptor
• Anti free-flow valve

Photosensitive Drug Delivery
• 5ml prime volume
• Light resistant
• Y injection port
• Anti free-flow valve