



Multi Therapy Solutions



Caesarea Medical Electronics

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 $\pm 5\%$ 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-D0160 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

Titrate 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 $\pm 5\%$ 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 $\pm 5\%$ accuracy and 1.8 μ l 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™	N0A3™
Piston Mechanism	✓	✓	✓	✓
Infusion Modes				
Continuous	✓	✓	✓	Rate or Rate/Volume ✓
25-Steps	✓	✓	✓	✓
TPN	✓	✓		
Intermittent	✓	✓		
PCA	✓	✓		
Drug Library	✓	Optional		
Bolus Infusion				
PCA and Drug Library	✓	✓		
Continuous + Bolus	Optional	Optional		✓
Delay Before Start	✓	✓	✓	
Time/Volume Mode	✓	✓	✓	✓
Concentration Units	mg/mcg	mg/mcg		
Flow Rate Accuracy	± 5 %	± 5 %	± 5 %	± 5 %
Flow Rate Range	0.1-99.9 ml/h; 0.1 ml/h Steps	0.1-99.9 ml/h; 0.1 ml/h Steps	0.1-99.9 ml/h; 0.1 ml/h Steps	1-600 ml/h; 1 ml/h Steps
Primary & Piggy (Secondary)	100-1200 ml/h; 1 ml/h Steps	100-1200 ml/h; 1 ml/h Steps	100-1200 ml/h; 1 ml/h Steps	
Adjustable Maximum Rate	✓	✓	✓	
Programmable Infusion Time	Up to 100 hrs	Up to 100 hrs	Up to 100 hrs	Up to 100 hrs
Volume to be Infused	0.1-99.9 ml; 0.1 ml Steps	0.1-99.9 ml; 0.1 ml Steps	0.1-99.9 ml; 0.1 ml Steps	0.1-9999 ml; 1 ml Steps
Primary & Piggy (Secondary)	100-9999 ml; 1 ml Steps	100-9999 ml; 1 ml Steps	100-9999 ml; 1 ml Steps	
KVO Rate	0 (OFF) - 5 ml/h	0 (OFF) - 5 ml/h	0 (OFF) - 5 ml/h	0 (OFF) - 5 ml/h
Resume on Restart	✓	✓	✓	
Ultrasonic Air Sensor				
Single Bubble	0.1 - 2 ml	0.1 - 1 ml	0.1 - 2 ml	1 - 9 ml
Accumulated Air-in-Line	✓	✓	✓	✓
Occlusion Pressure	100-1500 mmHg; 10 mmHg Steps	7, 14 or 21 psi	7, 14 or 21 psi	0.5-1.5 bar
Pressure Sensor Mechanism	✓	✓	✓	✓
Actual Pressure Display & Graph	✓	✓	✓	
Post-Occlusion Bolus Reduction	✓	✓	✓	✓
Pump Alarms/Alerts				
Air-in-Line		✓	✓	✓
Air/Up Occlusion	✓			
Down Occlusion	✓	✓	✓	✓
End Program	✓	✓	✓	✓
Low Battery	✓	✓	✓	✓
End Battery	✓	✓	✓	✓
Pump Unattended	✓	✓	✓	✓
Door Open	✓	✓	✓	✓
Lock Mode	✓	✓	✓	✓
Missing Key	✓	✓	✓	
Display				
Size (W/H)	3.7x4.9 cm	6x2 cm	6x2 cm	6x2 cm
Resolution (W/H)	240x320 pixels	122x32 pixels	122x32 pixels	122x32 pixels
Power Supply	✓	✓	✓	✓
100 - 240V AC, 50/60 Hz (10W / 0.3A)				
Battery				
Rechargeable Li-Polymer 7.4V 1800 mAh . Life at 125ml/h: Recharge Time (Empty to Full):	Up to 17hrs 6hrs	Up to 15hrs 6hrs	Up to 15hrs 6hrs	Up to 15hrs 6hrs
Extended-life Rechargeable Li-Polymer 7.4V 3600 mAh. Life at 125ml/h: Recharge Time (Empty to Full):	Up to 34hrs 10hrs	Up to 30hrs 10hrs	Up to 30hrs 10hrs	Up to 30hrs 10hrs
Disposable Alkaline 9V (x2) Life at 125ml/h:	Up to 12hrs	Up to 10hrs	Up to 10hrs	Up to 10hrs
Connectivity (Optional)				
RS232 Serial Port	✓	✓	✓	✓
802.11 Wifi	✓			
BodyComm™ Software (Optional)	✓	✓	✓	✓
Remote Monitoring System (Optional)	✓			
EMR Interface				
Classification	Type CF, Class II	Type CF, Class II	Type CF, Class II	Type CF, Class II
Moisture Protection	IPX3	IPX3	IPX3	IPX3
Dimensions; pump only (H/W/D)	112 x 89 x 40 mm	112 x 89 x 40 mm	112 x 89 x 40 mm	112 x 89 x 40 mm
Weight (with standard battery)	390g	390g	390g	390g

* 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



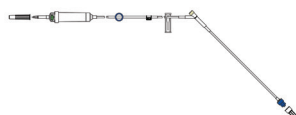
CME Disposables

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





Outpatient Clinic



Palliative Care



Homecare



Oncology



TPN



Mobile Medicine



Air Medicine



Clinical Research



Veterinary



Enteral Nutrition



Anaesthesia



PCA



Epidural