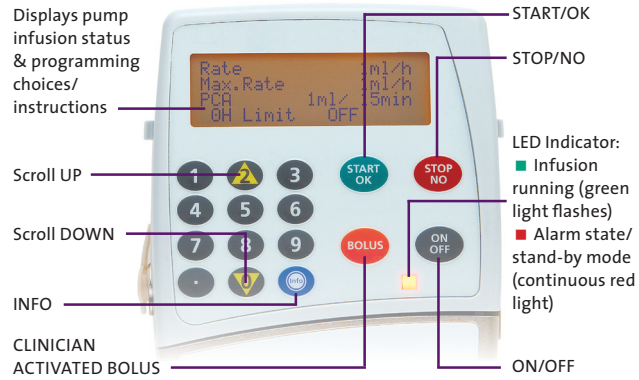


Front of pump features & keys



Alert & alarm activation

An ALERT is activated when there is a low battery OR near end of infusion:

1. The infusion continues
2. Intermittent beeps are heard approximately every 3/4 minutes
3. A screen message alternates with the infusion running screen

When an ALARM is activated:

1. The infusion stops
2. The LED indicator turns red
3. An audible alarm activates (this will continue until either the **STOP/NO** key is pressed to mute or the problem is rectified)
4. A screen message appears on the display indicating the cause

Troubleshooting

Screen	Result/Cause	Action	Screen	Result/Cause	Action
Air/Up Occlusion	- Air in line - Tubing clamped/kinked	- Prime/re-prime line - Clear kinked/trapped line	Near End of Infusion	- Infusion programme is nearly complete	- Prepare new bag, if applicable
Down Occlusion	- Tubing clamped/kinked - Access device blocked - Line not loaded correctly	- Clear kinked/trapped line - Change/flush access device - Reload set correctly	End of Infusion	- Current infusion programme is complete	- Turn the pump off or change the bag to start a new infusion
Missing Key	- Set is loaded incorrectly, pump will not start - User trying to load a non-proprietary set	- Load set with infusion line key positioned correctly - Ensure that a dedicated BodyGuard set is being used	Low Battery (Alert)	- Approximately 30 minutes of battery life remaining	- Place pump in charger or use the battery cable to connect to the DC socket
Stopped	- The pump has been paused/on stand-by for more than 2 minutes	- Either restart infusion, continue pause or turn power off	End Battery (Alert)	- Pump stops	- Place pump in charger or use the battery cable to connect to the DC socket

Technical problem/error and failure identification

The pump alarms if an internal system fault has been detected and the unit will be inoperative, screen information and user prompts will vary depending on the cause of the fault.

- Power the pump off and then power on again, this may rectify the problem.
- If the problem cannot be rectified: Power off the pump and remove from patient use.

Changes cannot be made to the infusion with the Keypad lock activated. To change bag, change rate, to deliver CA bolus or to discontinue the infusion, keypad lock must be removed by designated users only.

NOTE: In the event of an emergency, the **STOP/NO** and **START/YES** keys can still be activated with keypad lock in place.

Follow local policy and/or contact your authorised Medical Engineering Department for advice if necessary.

Press **INFO** key to display information on the fault, record the code number and a summary of the fault.

The example shown prompts the user:

Pressing the **INFO** key displays an error code number and a description of the error:

**Restart Pump
Switch off & on**

**Error 26
Starting MotMove Fail**

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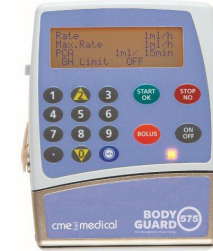
Bodyguard Pain Management Pump

Quick user guide

BODY GUARD 545 575 595



**Epidural
Infusion Pump**



**Pain
Management
Infusion Pump**



**Regional
Analgesia
Infusion Pump**

CME Medical Device Training is RCN Accredited

KEYPAD LOCK

Changes cannot be made to the infusion with the Keypad lock activated. To change bag, change rate, to deliver CA bolus or to discontinue the infusion, keypad lock must be removed by designated users only.

Please note: In the event of an emergency, the **STOP/NO** and **START/YES** keys can still be activated with keypad lock in place.

ACCESSING INFUSION SUMMARY

During an infusion, repeatedly press the **INFO** to access current infusion information:

- Volume infused/to be infused
- Battery level
- Bolus attempts / given & clinician bolus
- Protocol review screen
- Date & time

NOTE:

- Users must have undertaken training before operating this device.
- Refer to Operating Manual for full operating instructions.
- Screen information/sequences may vary slightly with different software versions.
- The guidance given is based on pump default settings, the pump set-up for your hospital/department may vary if additional features/set-up options have been added.
- Always follow screen prompts and before pressing keys to proceed ensure selections made correspond with what is required.

Priming the pump

Prime via the pump only

1. Load the set into the pump

2. Turn power on by pressing ON/OFF
(First two screens display automatically)

• Pump name & software version displays

BodyGuard XXX
(software version)

• Pump configuration displays

Limit OFF
Air Alarm XXX ml
Occlusion XX psi

3. To go to the main menu,
press **STOP/NO**

Press OK to Resume
Press NO for Menu

4. Enter relevant access code,
press **START/OK**

Level X Code
.....
Enter & Press OK

5. Ensure arrow is pointing to "PRIME"
press **START/OK**

=> Prime
Select Protocol
Change Bag

6. ENSURE THE LINE IS DISCONNECTED
FROM THE PATIENT, when read,
press **START/OK**

WARNING !!
Disconnect Patient
Press OK to Prime

7. Allow priming to complete

PRIME
0 6
Press NO to Stop

- Repeat priming to eliminate air if required
- Screen will move forward to Select Protocol

Selecting a protocol

1. Press **START/OK**

Prime
=> Select Protocol
Change Bag

2. For a new patient, press **START/OK**

New Patient?
Answer OK or NO

3. Scroll down to the Protocol required,
press **START/OK**

A: (Protocol 1 title)
B: (Protocol 2 title)
C: (Protocol 3 title)
D:

4. Review the infusion summary screen,
to confirm, press **START/OK**

VTBI Initial xxx ml
VTBI Current xxx ml
Volume Infused 0
Press OK to Continue

5. Review the protocol parameters
screen, to confirm, press **START/OK**

Rate xxml/hr
Max. Rate xxml/hr
PCEA xml/xxmin
OH Limit xxx

6. When ready, press **START/OK**

Start Infusion?

7. Infusion running screen is now
visible

A:(Protocol 1 title)
Rate X ml/hr
Bolus X ml

Clinician Bolus (FOR DESIGNATED USERS ONLY)

1. Press **STOP/NO** key
2. Press **BOLUS** key
3. Follow the instructions on the screen(s)
4. Press **START/OK** key to confirm and commence bolus

Green flashing LED will indicate infusion has re-commenced

Rate change whilst infusing

Example shown is a rate change from 6mlhr to 8mlhr

1. Remove keypad lock, (if applied)

2. Enter the new rate required, press 8

Rate 6 ml/hr
Enter & Press OK

3. Enter relevant code, press **START/OK**

Level X Code
Enter & Press OK

4. Infusion continues & new rate
displays. Activate keypad lock if
required

A: (Protocol 1 title)
Rate 8 ml/hr
Bolus X ml

NOTE: If the rate selected is above the pre-set limit, the pump will alert the user to the maximum rate that can be set

Bag change

NOTE: De-activate/activate keypad lock as necessary

At the end of infusion alarm:

1. To confirm end of infusion alarm, press **START/OK**
2. Enter relevant code, press **START/OK**
3. Check arrow pointing to "CHANGE BAG", when bag change complete press **START/OK**
4. Review infusion summary screen (VI will show the total of all bags used), press **START/OK**
5. Review protocol summary screen, press **START/OK**
6. When ready to start infusion, press **START/OK**

Prior to the end of infusion alarm:

1. Press **STOP/NO** to halt infusion
2. Press and continuously hold down **STOP/NO** key again until 'Press **OK** to resume, Press **NO** for menu screen displays
3. Press **STOP/NO** for menu
4. In the main menu, (using the zero/arrow down key) scroll down to 'change bag' press **START/OK**
5. Change Infusion bag and when done, press **START/OK**
6. Check VTBI/VI screens & continue to press **START/OK** until infusion has resumed (green flashing light appears when infusion is running)