

ARJOHUNTLEIGH

GETINGE GROUP

CONTOURA® 1000 & 1080 INSTRUCTIONS FOR USE



CE
0086

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Scope

This manual provides information and instructions for the use and maintenance of ArjoHuntleigh **Contoura® C1000** series of bariatric beds.

Please read this manual carefully before using the equipment. Pay particular attention to safety instructions.

Warnings, Cautions and Notes

WARNINGS given in this manual identify possible hazards in procedures or conditions which, if not followed correctly, could result in death, injury or other serious adverse reactions.

Cautions given in this manual identify possible hazards in procedures or conditions which, if not followed correctly, could result in equipment failure or damage.

Notes given in this manual (indicated thus ⓘ) are used to explain or amplify a procedure or condition.

General Warnings

WARNING

Use a recommended and approved mattress and make sure that it is the correct size.

Do not use accessories that have not been designed or approved for use with the bed.

Electrical equipment can be hazardous if misused. Obey safety instructions.

Do not use electrically powered beds in the presence of flammable gases such as anaesthetic agents.

Do not use electrically powered beds in operating theatres.

The electrical power outlet on the foot end of model C1080 is only for use with ArjoHuntleigh approved mattress pumps. Do not use it to supply power to any other equipment.

The bed is very heavy and at least two people are needed to move it. Use extra caution when moving on an incline.

1. Introduction

Product Description ArjoHuntleigh **Contoura® C1000** series beds are designed to accommodate patients weighing up to 450 kg. They combine the highest standards of functionality and convenience with an aesthetically pleasing appearance.

Model C1000 is the basic bed.

Model C1080 includes a weighing system and a power outlet for an ArjoHuntleigh approved mattress pump.

All beds incorporate the following features:

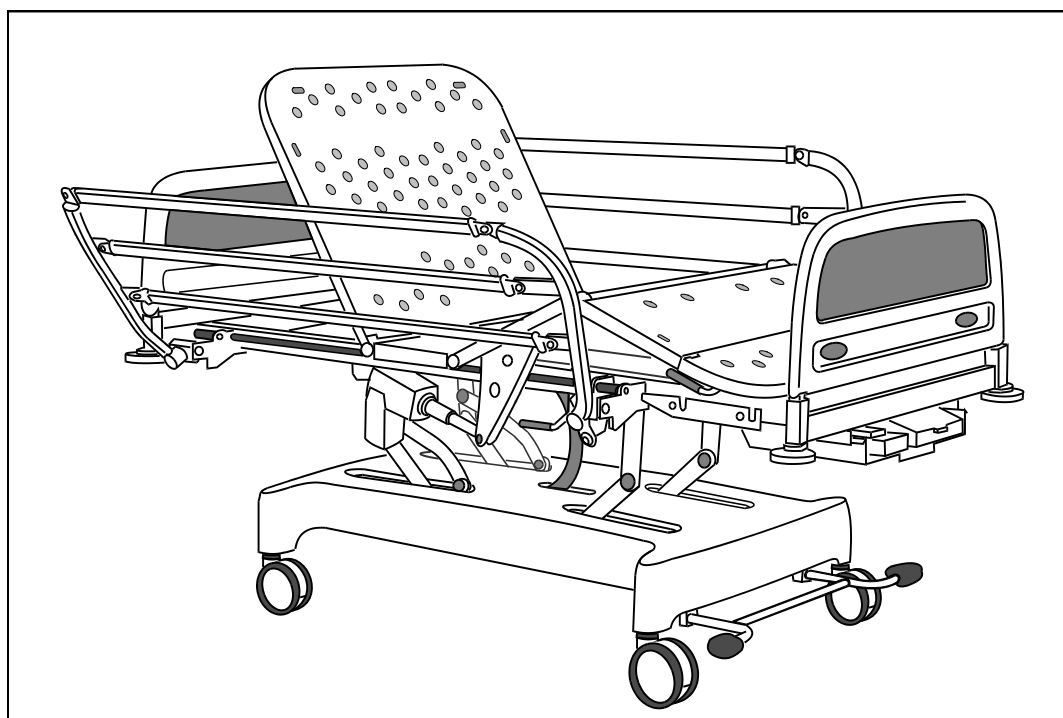
- Electrically powered adjustable height.
- Electrically powered adjustable two-way tilt.
- Four-section profiling mattress platform with electrically powered adjustment of backrest and leg elevation plus auto-contour facility.
- Adjustable kneebreak angle.
- Separate attendant control panel with the facility to prevent operation by the patient.
- Integral bed extension, including extending mattress platform.
- Large diameter castors with braking and steering facility.
- Integral folding safety sides with width adjustment.
- Full width mattress platform to minimise transfer gap.
- Removable (lift off) head panel and foot panel, manufactured from reinforced, moulded and contoured ABS.
- Revolving buffers on all four corners.

The electrical controls enable effortless positioning of the patient. The self-contained weighing system on the Model C1080 enables continuous monitoring of patient weight and weight change, with minimal effort and disturbance.

The power driven functions of height, backrest angle and leg elevation are operated by simple push button controls. The push button handset may be used by the nurse or patient. A second handset, accessible only to the nurse, incorporates additional push buttons for two-way tilt control and CPR emergency settings.

The bed also has an attendant control panel (ACP), by means of which the power driven functions can be individually disabled. Operation of the bed by the patient is thus at the discretion of the nurse.

The electrical actuators consist of a screw and nut assembly driven by a 24V d.c. motor and gearbox. Power for the actuators is derived from a mains operated d.c. power supply with emergency battery back up.



Contoura® C1000 series bed

2. Clinical Applications

Area of Use	General and specialist medicine, general and specialist surgery, care of the elderly, HDU, ITU, coronary care, oncology, hospice, accident and emergency.
Indications	<p>The Contoura® 1000 and 1080 beds are designed for use exclusively by bariatric patients.</p> <p>A <i>bariatric patient</i> is defined as one who, regardless of their age, has limitations in health and social care due to their weight, physical size, shape, width, health, mobility or tissue viability, and fits any of the following criteria:</p> <ul style="list-style-type: none">• Body Mass Index (BMI) greater than 40 kg/m² *• More than 40kg above the ideal weight for their height *• Exceed the safe working load (SWL) and dimensions of standard support surfaces such as beds, chairs, wheelchairs, couches, trolleys and mattresses <p>* Based on guidelines from NICE (UK National Institute for Health and Clinical Excellence), 2004</p>

WARNING

This bed must not be used by patients who do not fall into the bariatric category as defined above.

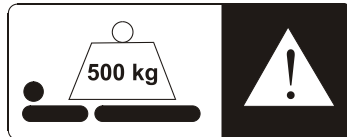
In-Bed Weighing (Contoura® 1080 only)

The in-bed weighing system is designed to be used for monitoring changes in a patient's weight over a period of time deemed appropriate by clinical staff. This may be used, in association with other clinical findings, to monitor the overall progress of the patient.

To gain a true representation of the change in a patient's weight, urine bags and drainage bags should be emptied before the reading is taken.

Contra-indications

Do not exceed the safe working load of 500 kg for the combined bed, mattress and accessories.



When using air filled mattresses, e.g. **BariBreeze**, do not exceed the safe working load stated by the mattress manufacturer.

3. Installation

All Models

Unwind the mains supply cable from the cable tidy at the head of the bed and connect it to a suitable socket outlet.



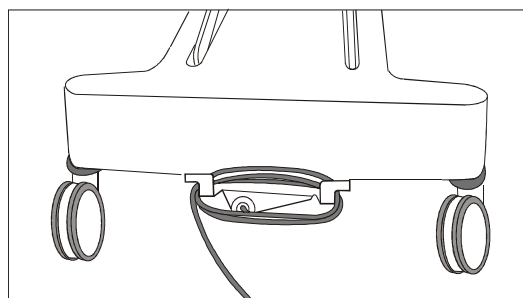
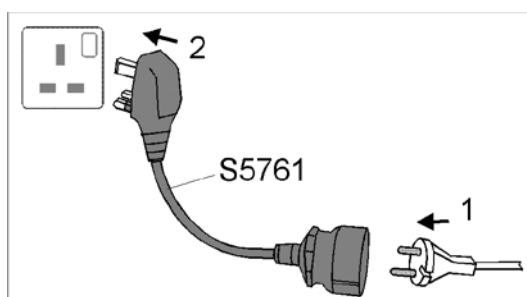
A two-pin to three-pin mains safety adaptor (Part number S5761) is supplied for UK use. If the bed is accidentally moved whilst connected to the mains supply, the lead and adaptor are designed to separate, preventing damage to the 3 pin plug or socket.

WARNING

Do not attempt to insert the two-pin plug directly into a 13 amp mains outlet.

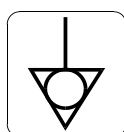
Make sure that the mains supply cable is not stretched when connected.

Make sure that the handset and mains cables cannot become entangled with moving parts of the bed.



Caution

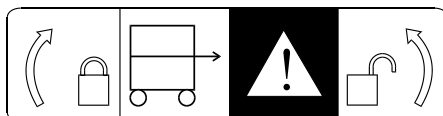
When the bed is to be moved, disconnect the mains cable from the socket outlet and store the cable on the cable tidy at the head of the bed. Always remove the cable from the cable tidy when it is connected to the power supply.



An equipotential terminal in accordance with the requirements of IEC 601-1 (EN 60601-1) is provided on the mattress platform frame at the head of the bed.

Model 1080

When the bed is in the area where it is to be used, release the transport locking screws by turning them fully anti-clockwise. These are four, hand operated turnscrews which are accessible on the base.



Caution

The transport locking screws must always be firmly locked when the bed is moved except for short distances over smooth surfaces.

BariBreeze Mattress Replacement System

Contoura® 1000 and 1080 beds are suitable for use with the ArjoHuntleigh **BariBreeze** mattress replacement system, model number 647311.

WARNING

Read the Instructions for Use supplied with the BariBreeze mattress before attempting to install or use it.

Make sure that the mattress tubes and mains cable do not become entangled with moving parts of the bed.

Before using the BariBreeze mattress “patient turn” feature:

- **Raise the safety sides – they can be upright or inclined outwards as required.**
- **Make sure that the patient cannot roll off the mattress when the bed is profiled. The degree of turn and profiling that can be used safely will depend on the size and condition of the patient.**



The Contoura C1080 bed can also be used with a standard foam mattress, model 450PM206/092. Details will be provided on request.

4. Operation

Safety

- Always use a mattress of the correct size and type. Suitable mattresses are available from ArjoHuntleigh.
- When the bed is operated, check that no obstacles such as bed-side furniture are in its path. Also make sure that patient's and carers' limbs are not trapped.
- Always apply the brakes when the bed is stationary.
- Lower the bed to minimum height and raise the safety sides when the patient is left unattended.
- Keep these instructions handy for reference.

WARNING

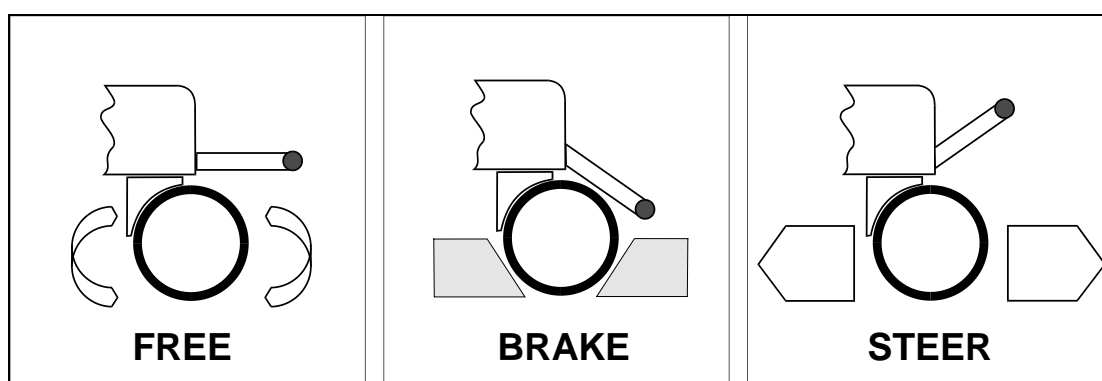
The bed is very heavy and at least two people are needed to move it. Use extra caution when moving on an incline.

Brakes and Steering

At the foot of the bed is a pair of linked brake pedals that operate on all four castors. When the pedals are in the middle position, the brakes are free and all four castors are able to rotate and swivel.

When the pedals are pushed down, the brakes are applied on all four castors.

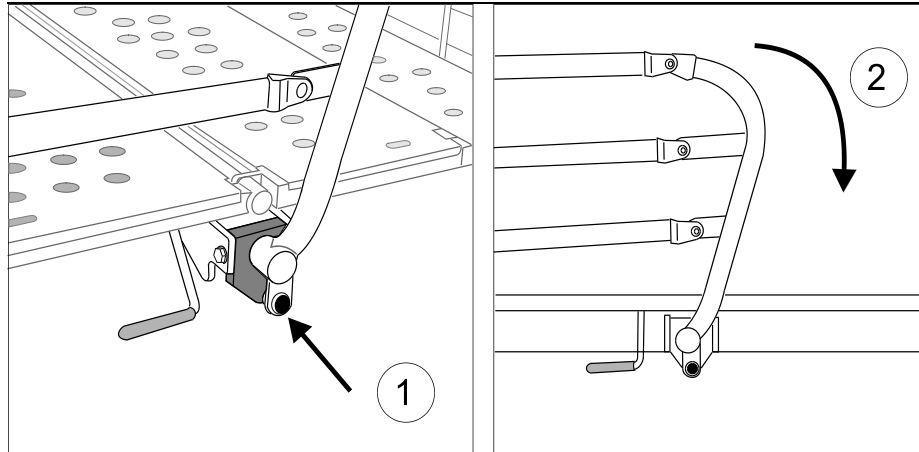
When the pedals are raised, both head end castors are engaged so that they cannot swivel. Always engage both castors in line and trailing. The bed can then be steered by pushing from the foot end.



Safety Sides

To lower the safety side: Press the release button (1) and lower the rails toward the foot end (2).

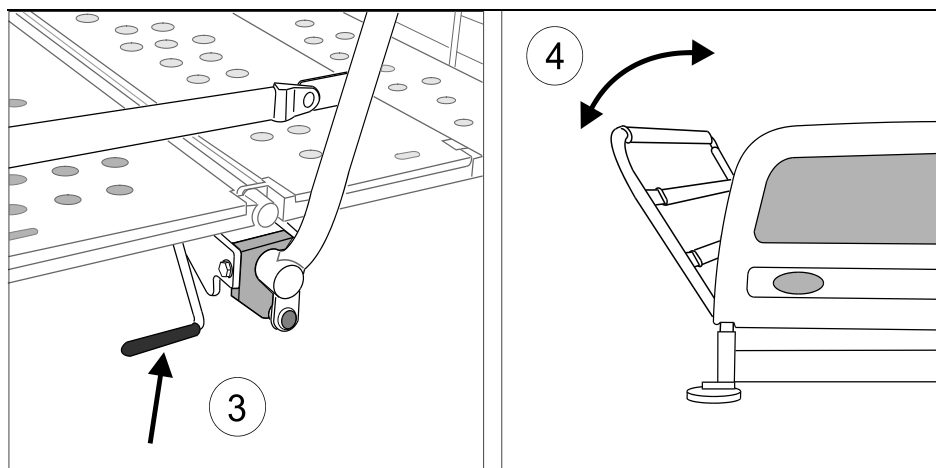
To raise the safety side: Lift the top rail up and toward the head until the latch engages at maximum height.



The safety sides can be inclined outward at the top to increase the in-bed width or moved to the upright condition for transport. When sides are upright, the bed will pass comfortably through a 120 cm opening.

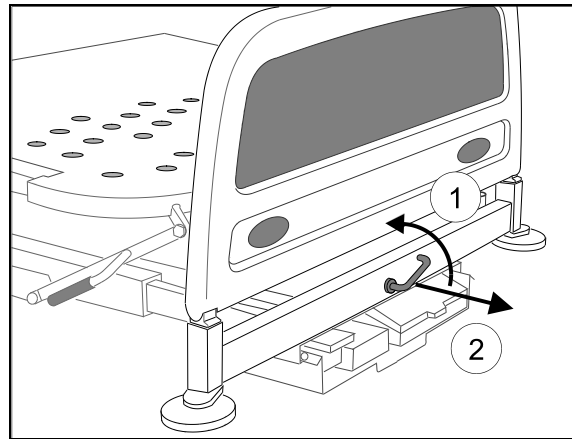
To increase in-bed width: Lift the release handle (3) and swing the top rail outwards (4) until the mechanism locks.

To reduce the in-bed width: Lift the release handle (3) and swing the side up (4) until the mechanism locks in the upright position.

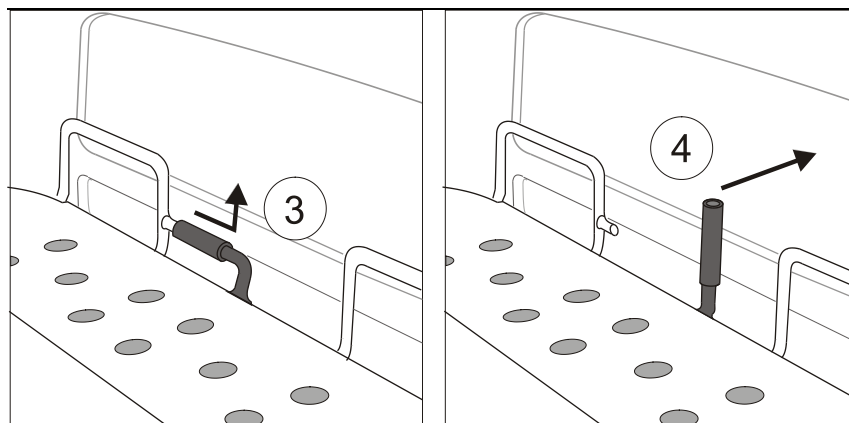


Bed Extension **Before extending or shortening the bed:** Apply the brakes, ensure that the legs are lowered to the horizontal position and the foot end strut is raised (disengaged). The operation is easier if you first remove the foot panel.

To extend the bed: Lift the locking handle (1) and pull out the foot end of the mattress deck (2). Return the handle to horizontal and **re-engage the lock**. Slide back, lift and hold the locking lever (3) and pull out the foot end of the calf section (4). **Re-engage the lever** to lock in the extended position. Install a mattress extension squab.



To retract the bed: Remove the mattress extension squab. Slide back, lift and hold the locking lever (3) and push in the foot end of the calf section (4). **Re-engage the lever to lock**. Lift the locking handle (1) and push in the foot end of the mattress deck (2). Return the handle to the horizontal and **re-engage the lock**.



Kneebreak Angle

When the legs are raised, the kneebreak angle can be adjusted using the strut at the foot end of the calf section.

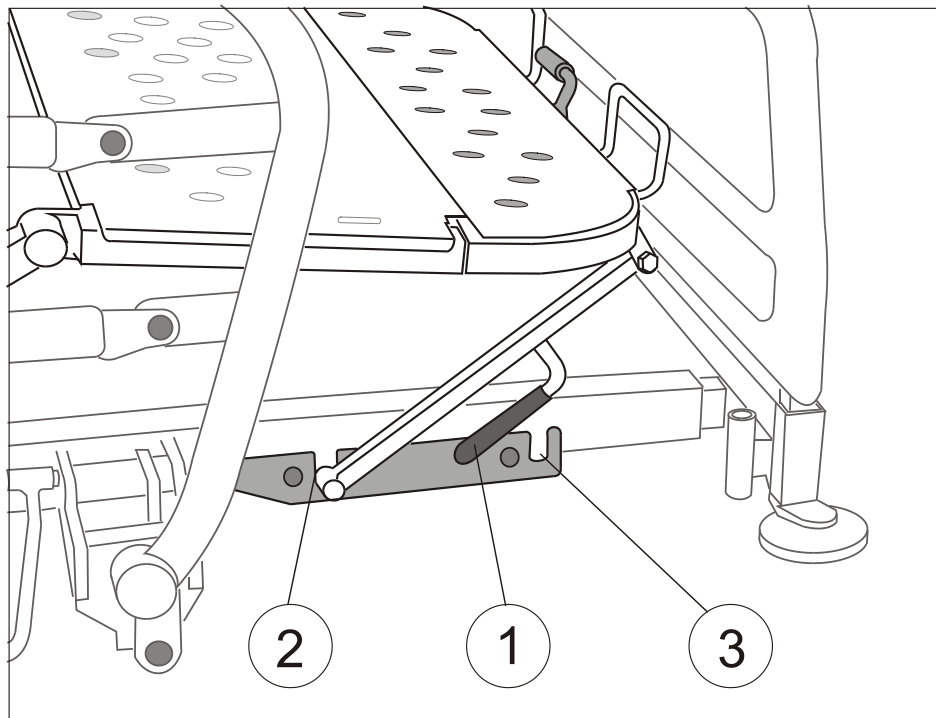
WARNING

The calf section is very heavy. Do not try to raise or lower it by hand. Use the push button controls.

Do not attempt to disengage the strut when the leg section is raised.

Foot up position: Lower the leg sections to the horizontal position, push down the handle (1) and engage the strut in the slot (2). Raise the legs to the required height.

Foot down position: Lower the leg sections to the horizontal position, lift the handle (1) and disengage the strut from the slot (2). Raise the legs to the required height.



The second slot (3) is only used when the bed is extended.

Backrest Adjustment

The angle of the backrest is adjusted by means of push buttons.

Refer to **Power Operation** later in this section.

Leg Elevation

As the legs are raised, by increasing the angle of the thigh section, the kneebreak angle will increase correspondingly.

The elevation of the leg section is adjusted by means of push buttons.

Refer to **Power Operation** later in this section.

Height Adjustment

The height of the mattress platform is adjusted by means of push buttons.

Refer to **Power Operation** later in this section.

Tilt Adjustment

The angle of tilt is adjusted by means of push buttons on the Nurse Handset.

Refer to **Power Operation** later in this section.

Power Operation**General**

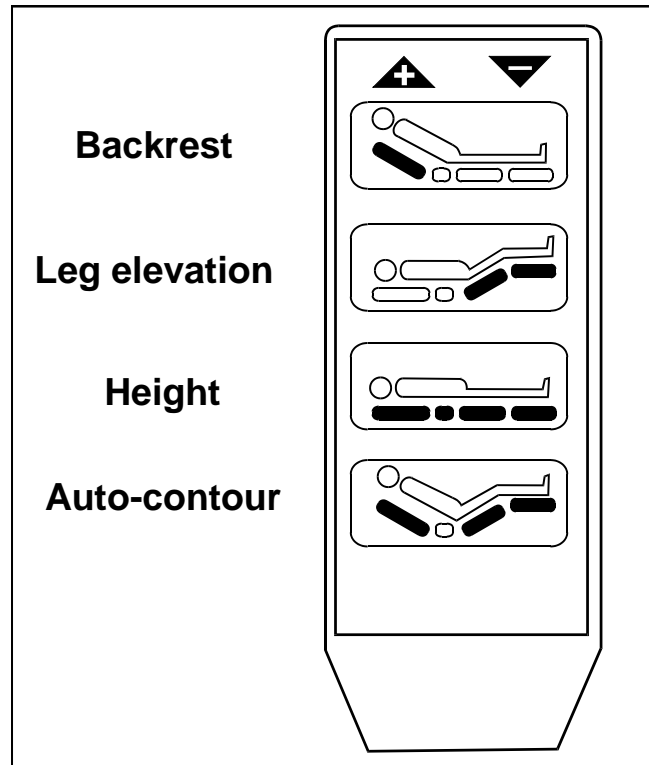
The bed is provided with power driven adjustment of backrest angle, leg elevation, bed height and tilt angle.

The functions are operated from a push button handset, which is connected to the bed by an extendable, flexible cable.

When a push button is pressed, the appropriate bed function will operate until the push button is released or the limit of travel is reached. The Auto-contour button operates both backrest and leg elevation simultaneously.

The backrest, leg and height controls are duplicated on a second handset, accessible only to the nurse, which has additional push buttons for the control of tilt angle and emergency CPR configuration.

The nurse handset is stored at the foot end of the bed.



Patient control handset

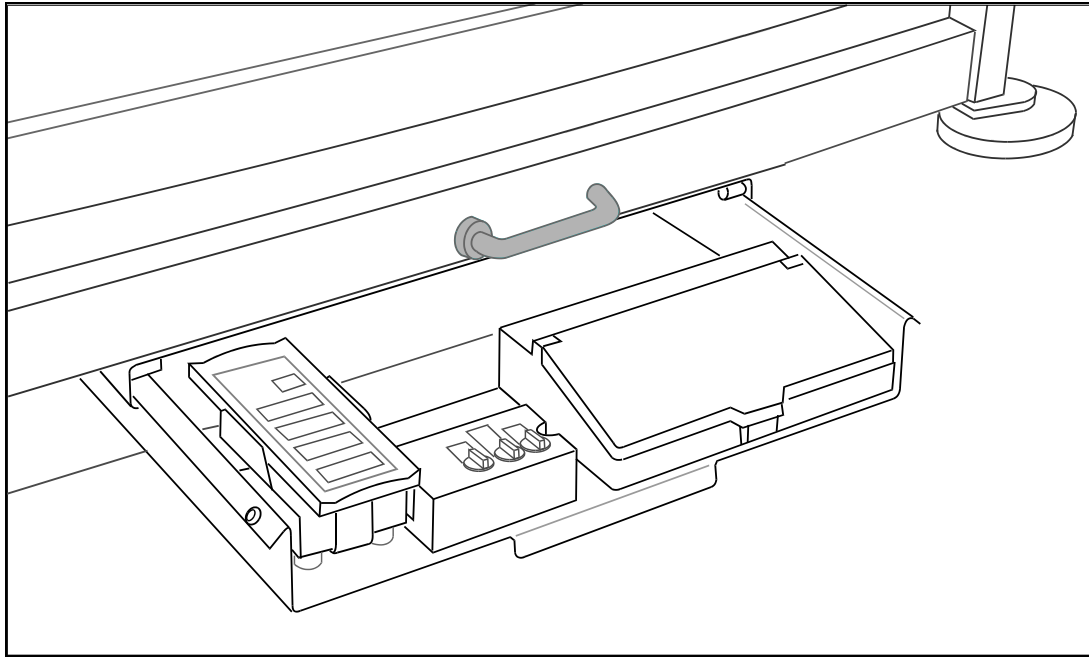
**Control Inhibit
(using the ACP)**

By using the Attendant Control Panel (ACP), the nurse or carer has the discretion to disable the push button controls and thus limit or prevent operation of the bed by the patient.

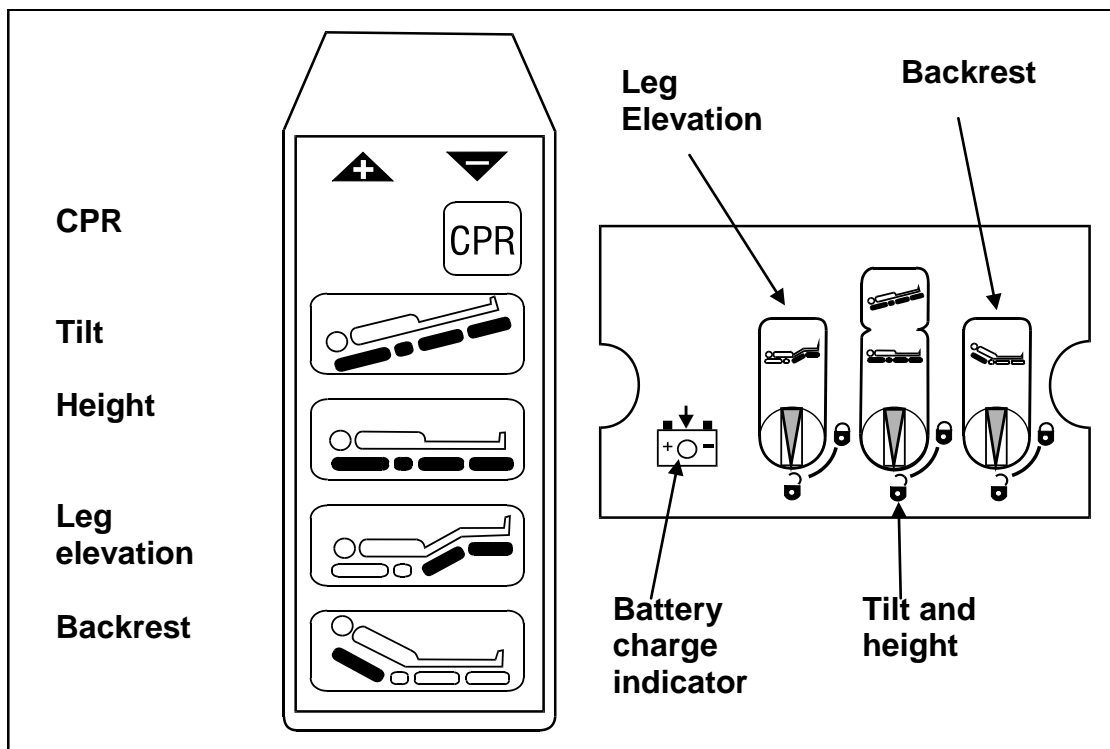
Pull out the sliding tray beneath the foot end of the mattress platform. This gives access to both the ACP and the user interface module for the weighing system if fitted. The nurse handset is also stored on this tray (Use of the weighing system is described in Section 5).

On the ACP is a rotary ‘lock-out’ switch for each bed function. To prevent the patient from making an adjustment, disable that particular bed function by turning the lock-out switch so that the pointer is horizontal. In this condition the selected push buttons are disabled on both the patient handset and the nurse handset.

Because the bed height and tilt angles are determined by the same two actuators, both these functions are disabled by the same lock-out switch.



Pull out sliding tray



Nurse control handset and ACP

Tilt Angle Control The tilt angle can only be controlled from the nurse handset.

When reverting from a tilt condition, the bed will automatically stop in the horizontal position for two or three seconds.

CPR Emergency There is a CPR button on the nurse handset.

Press and hold this button to automatically return the bed to a flat, horizontal, low height condition.

WARNING

Before using the CPR button, ensure that all lock out switches on the ACP are in the vertical, unlocked position.

Calibration Errors If a bleeping sound is heard when operating the push buttons and the function is inoperative, this indicates an actuator calibration error. Contact the ArjoHuntleigh service department or an approved agent.

Batteries The emergency back-up battery is automatically switched on if the bed is disconnected from the mains supply. Battery life is limited and is intended for emergency use only. To ensure that batteries are kept in a fully charged condition, the bed must be connected to the mains power supply at all times during normal use.

If, when the bed is operated using the batteries a bleeping sound is heard, this indicates a low charge condition. The bed should be re-connected to the mains power supply, for a minimum of 24 hours, in order to recharge the batteries.

The battery charge indicator on the ACP illuminates when the batteries are being charged.

Emergency CPR Procedure

IN THE EVENT OF CARDIAC ARREST:

- 1 - Operate the *BariBreeze* pump CPR release (if in use) – refer to the Instructions for Use supplied with the mattress**
- 2 - Operate the Contoura® bed CPR release**
- 3 - Lower the safety sides**

5. Patient Weighing System (Model C1080)

General

Four load cells are installed in the bed frame. The electrical output signals from the load cells are integrated in a load converter, which provides a single output to the user interface. Separate displays are provided for patient weight and patient weight change.

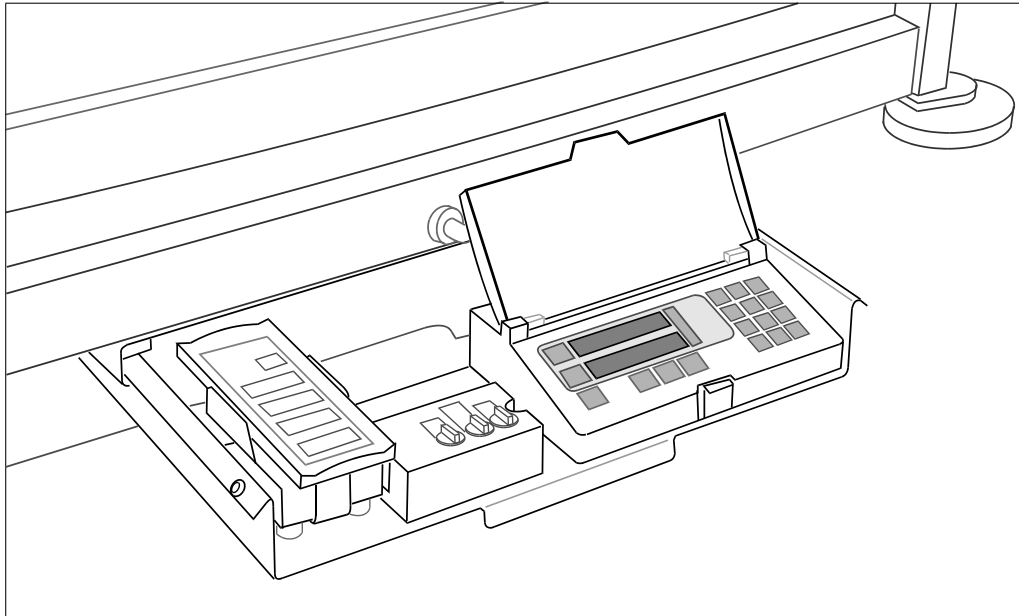
Accuracy

The weighing system is very sensitive and will be affected by a number of outside influences. It is therefore important that the following criteria are observed.

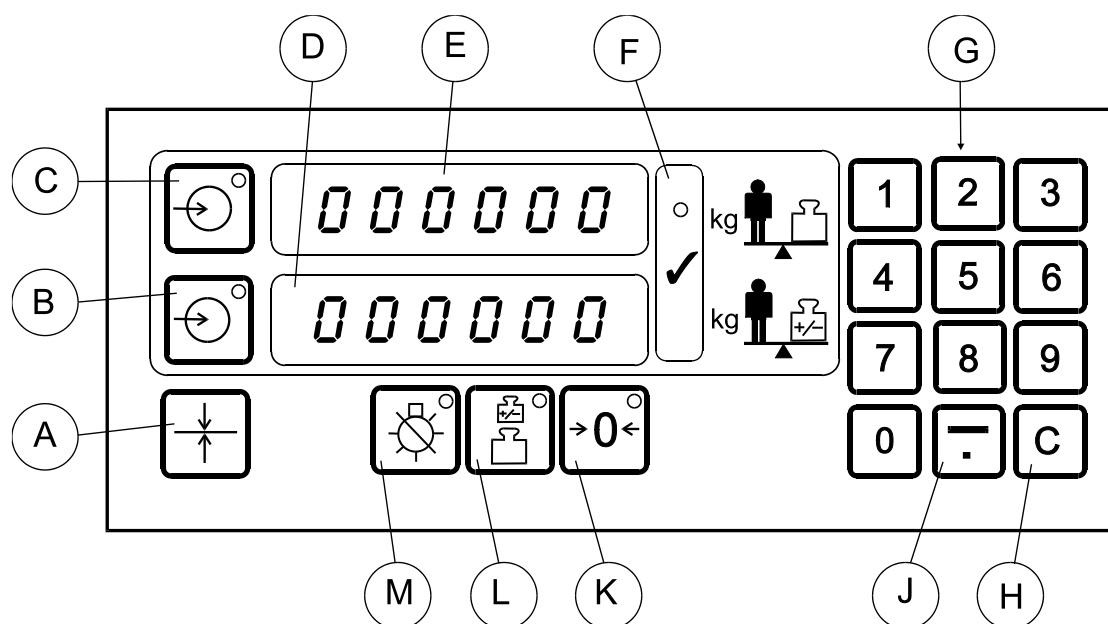
- a) The bed must be installed on a flat and level floor.
- b) The transport screws must be fully disengaged prior to use.
- c) The bed should be positioned clear of obstructions such as walls, furniture, trailing leads or curtains.
- d) The weighing system should be used within the normal operating ambient temperature range of 10°C to 40°C.
- e) For best results, the patient should be positioned approximately centrally on the bed.
- f) The weighing system is capable of detecting relatively small movements of the patient. It is therefore necessary for patient movement to be minimised during the few seconds required to obtain a stabilised reading and that the operator / nurse stands clear of the bed during this time.
- g) When weighing, the handsets must be replaced in position on the platform.

**User Interface
Module (UIM)**

Lift and pull out the sliding tray beneath the foot end of the mattress platform. Open the lid of the UIM (right hand side).



Pull out sliding tray



User interface Module Panel

Item	Description	Function
A	Reset Push Button	Resets upper display to show gross weight. Resets lower display to zero
B	Enter Push Button	Used to enter data on lower display (patient weight change)
C	Enter Push Button	Used to enter data on upper display (patient weight)
D	Lower Display	Shows patient weight change
E	Upper display	Shows patient weight
F	System Stable Indicator	Confirms system is stable (OK to read display)
G	Numerical keypad	Used for manual input of weight or weight change
H	Clear Push Button	Clears last keypad entry
J	Minus or Decimal Push Button	Enters decimal point following entry of any digit. Enters minus if no digit previously entered.
K	Set Zero Push Button	Used to zero display
L	Auto Compensation Push Button	Allows addition or removal of objects from the bed without affecting subsequent readings
M	Display ON / OFF	Turns display on or off

Setting Up

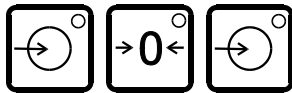
Situate the bed on a flat and level floor and apply the brakes. Fully unscrew all four transport screws (anti-clockwise).

Add the mattress and bed linen to the bed. The mattress may be either foam type or an air mattress system complete with pump. Do not install any additional equipment at this stage.

Connect the bed to a suitable mains power supply. When first switched on, the system will perform a self test during which the upper display (E) will indicate **[oLd]**. After a few minutes this message will disappear and the system becomes operational.

Zero Upper or Lower Display

Press the adjacent Enter Push Button. The display will read **0**.



Press the Zero Push Button. The display will continue to read **0**.

Press the Enter Push Button again. The display will stabilise after a few seconds and indicate **0.0**.



If the displays do not zero correctly or if a series of horizontal dashes appears in the middle of the display, refer to Error Indications (1) Zeroing Error.

Patient Weight

Place the patient on the bed. When the system stabilises, the indicator (F) will illuminate and the upper and lower displays will indicate patient weight.

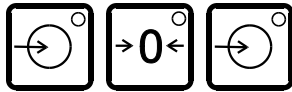


If a series of horizontal dashes appears at the top of the display, refer to Error Indications (2) Overload Error.

Patient Weight Change

Re-zero the lower display.

After this any change in patient weight will be indicated on the lower display.



After recording a weight change, either re-zero the lower display to monitor further change or leave the display to monitor weight change continuously.

Auto-Compensation

In order to add (or remove) additional equipment, pillows, bed linen or other objects to the bed without affecting subsequent weight readings, the auto-compensation feature must be used.



Press either Enter Push Button. The adjacent display will read **0**.

Press the Auto-Comp Push Button. The adjacent display will continue to read **0**, the other display will continue to indicate its original figures.

Press either Enter Push Button.

The upper display will read **AUTO-C**.

The lower display will be blank.

Wait until the System Stable indicator illuminates.

The display is now in auto-compensation mode. Add or remove objects as required.



Repeat the above sequence of push button operations. Both displays will revert to continuous weight display.



If, after adding a number of heavy accessories, a series of horizontal dashes appears at the bottom of the display refer to Error Indications (3) Auto-Compensation error.

Manual Weight Input

At any time the power supply to the bed may be lost, e.g. due to power failure or if the bed has to be moved. When supply is restored, the upper display will indicate gross weight, which is the combined total of patient weight and added equipment. The lower display will indicate zero. In this circumstance, the last recorded patient weight can be recorded manually.



Press the upper Enter Push Button. The display will read **0**.

Enter known patient weight on the keypad (e.g. 132.4). The display will read **132.4**.

Press the upper Enter Push Button again. The display will stabilise after a few seconds and indicate **132.4**.

After a manual input of weight, the symbol U will appear at the left hand side of the display. This symbol indicates that a manual input has been made and it will not disappear until the bed is disconnected from the power supply or the reset button is pressed. If the reset button is pressed, the display will revert to showing gross weight (Refer to *Error Indications (3) Auto-Compensation Error*).



Confidentiality Mode

The display can be turned off or on by pressing the display On/Off button.



Cancelling an Error



If an error is made when entering data on the keyboard, press the Clear Push Button to delete the error, then enter correct data.

If an error is made when entering a command sequence (e.g., Set Zero is pressed instead of Auto-Comp), press the button again to de-select the command then continue the sequence.

Error Indications

(1) Zeroing Error

A series of horizontal dashes along the centre of the display indicates a zeroing error.

In order to maintain accuracy over its weighing range, the system can only be set to zero within 100 kg of the original calibrated zero. The dashes indicate that an excessive amount of equipment has been added to the bed prior to setting the initial zero. This is why it is recommended that only the mattress and bed linen are added prior to setting zero for the bed.

To clear this error, remove all equipment from the bed except mattress and bed linen. Disconnect the bed from the mains supply for a few seconds. Reconnect the power supply and re-zero the displays.

When installing additional equipment on the bed, use the auto-compensation facility.

(2) Overload Error

A series of horizontal dashes along the top edge of the display indicates that the safe working load of 500 kg has been exceeded.

This means that either the patient is too heavy for the bed or an excessive amount of equipment has been added to the bed prior to placing the patient on the bed.

If the latter is the case, remove equipment from the bed using the auto-compensation facility.

(3) Auto-Compensation Error

A series of horizontal dashes along the lower edge of the display indicates that the allowable limit for adding equipment of 100 kg has been exceeded.



To clear this error, press the Reset button. The display will revert to showing gross weight. To proceed, remove all additional equipment from the bed, thereby returning to a display showing patient weight. Then, using the auto-compensation facility, replace all the additional equipment previously fitted.

Alternatively, remove the last piece of equipment added and manually input the patient weight.

If, when the Reset button is pressed, a series of horizontal dashes appears along the top edge of the display, this indicates an overload condition. Refer to (2) above.

6. Decontamination

WARNING

Disconnect the bed from the electricity supply before carrying out decontamination procedures.



These instructions also apply to accessories but not to mattresses or safety side pads.

Cleaning

Wearing suitable protective clothing, clean all surfaces with a disposable cloth soaked in a neutral detergent and hand hot water.

The head and foot end panels, and mattress platform sheets, can be removed from the bed for cleaning.

Start by cleaning the upper sections of the bed and work along all horizontal surfaces. Work methodically towards the lower sections of the bed and clean the wheels last. Take extra care to clean areas that may trap dust or dirt.

Rinse with clean water and dry with disposable paper towels.

Allow the cleaned parts to dry before replacing the mattress.

Disinfecting

After cleaning the bed as described above, wipe all surfaces with sodium dichloroisocyanurate (NaDCC) at a concentration of 1,000 parts per million (0.1%) of available chlorine.

In the case of pooling body fluids, e.g. blood, the concentration of NaDCC should be increased to 10,000 parts per million (1%) of available chlorine.

Caution

Do not use abrasive compounds or pads.

Do not use phenol-based disinfectant solutions.

7. Maintenance

The beds have been designed to require the minimum of maintenance. It is recommended that the following preventive maintenance checks and procedures be carried out at 12 month intervals.

Any service or repair activity, other than as described herein, must only be performed by properly qualified and trained persons approved by ArjoHuntleigh.

WARNING

Before commencing any maintenance activity, disconnect the bed from the electrical power supply.

General

Examine the bed for obvious signs of damage. Make sure that all nuts, bolts and other fastenings are secure and not missing.

Examine the flexible cable for cuts, abrasions, kinking or other deterioration. Ensure that the power connector plug is not damaged. If appropriate, check that the adaptor fuse is of the correct type and rating (BS1362 – 5A).

If the power connector plug or cable is damaged, they must be replaced as a complete assembly by an approved ArjoHuntleigh technician. Under no circumstances should the integral moulded plug be replaced with a rewirable plug.

Castors and Brakes

Check the brakes for efficient operation. Apply the brakes and push the bed. If any of the castors rotate, the brake is not fully effective.

Brakes that fail to lock effectively indicate that the castor needs to be adjusted or replaced. Contact an ArjoHuntleigh service technician or agent.

Tilt Angle

Minor accumulated errors in service may result in lost position (non parallelism) of the height actuators, this means that the bed may not return to a true horizontal position. This may be automatically corrected by driving the bed to its lowest height.

If a bleeping sound is heard when operating the push buttons and the function is inoperative, this indicates an actuator calibration error. Contact ArjoHuntleigh service department or an approved agent.

Batteries

If, when the bed is operated using the batteries a bleeping sound is heard, this indicates a low charge condition. The bed should be re-connected to the mains power supply, for a minimum of 24 hours, in order to recharge the batteries.

Every six months: The condition of the batteries should be checked using the following procedure:

1. Ensure that the bed has been connected to the mains power supply for 24 hours.
2. Disconnect the bed from the mains power supply.
3. Apply a load of 150 kg (2 x 12 stone persons) to the mattress platform.
4. Raise and lower the mattress platform, from minimum to maximum height, three times.
5. If the bed does not operate satisfactorily in step 4, perform steps 1 to 4 again.

If the bed again fails to operate satisfactorily, the batteries are not holding sufficient charge and they should be replaced. Consult an ArjoHuntleigh service technician or agent.

Weighing System

It is recommended that the system be calibrated every six months. Consult ArjoHuntleigh.

8. Troubleshooting

The following table suggests some simple checks and corrective actions. If these corrective actions fail to solve the problem, consult an ArjoHuntleigh service technician or agent.

If the electrical actuators do not function correctly:

Symptom	Possible cause	Action
None of the actuators will work	Power disconnected or batteries discharged	Make sure power supply lead is connected
	Fuse blown	Check fuse in adaptor
	Control panel disconnected	Check that plugs are fully inserted in the control box at the head of the bed and in the ACP at the foot of the bed Check that plugs are fully inserted in the sockets on the deck frame
One actuator does not work	Actuator plug disconnected	Check that actuator plug is fully inserted in the control box at the head of the bed
Height/Tilt actuators will not work and bleep sound heard	Calibration error	Contact ArjoHuntleigh Service Department

If the weighing system does not function correctly:

Symptom	Possible cause	Action
No weight display	Power disconnected	Make sure power supply lead is connected
Very erratic weighing or large weighing errors	Bed obstructed	Check for obstructions or tight power cables
Slightly erratic or small weighing errors	Patient moving involuntarily	Support with pillows or lay down
	Bed touching wall, curtains etc	Check and rectify
	System due for recalibration	Contact ArjoHuntleigh

9. Accessories

A range of accessories, including mattresses, is available from ArjoHuntleigh. Details are available on request.

Accessories currently available for the Contoura® 1000 range are shown in the table below.

DESCRIPTION	PRODUCT CODE
Fracture frame	C1000/ACC10
Monitor shelf	C1000/ACC12
IV pole	165020
Oxygen cylinder holder (PD size)	MB-ACC36
Safety side covers	PBSR
<i>Pentaflex</i> pressure reducing foam mattress	450PM206/092
<i>Pentaflex</i> foam mattress squab	PBSQ
<i>BariBreeze</i> mattress replacement system	647311

Some accessories may not be available in all markets.

ArjoHuntleigh reserves the right to alter accessory details and availability without notification.

10. Warranty and Service

ArjoHuntleigh standard terms and conditions apply to all sales; a copy is available on request. These contain full details of warranty terms and do not limit the statutory rights of the consumer.

For service, maintenance and any questions regarding this product, please contact your local ArjoHuntleigh office or approved distributor. A list of ArjoHuntleigh offices can be found at the back of this manual.

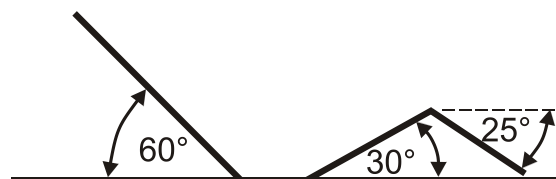
Have the model number and serial number of the equipment to hand when contacting ArjoHuntleigh regarding service, spare parts or accessories.

11. Dimensions and Data

Dimensions

Overall Length	(normal)	228 cm
	(extended)	248 cm
In-bed length	(normal)	210 cm
	(extended)	230 cm
Overall width	(min.)	104 cm
	(max. sides out)	156 cm
Height of mattress deck	(min.)	49 cm
	(max.)	78 cm
Tilt angle		14° foot up to 14° foot down

Deck angles (max.)



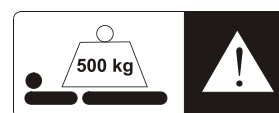
Mattress size 206 x 92 x 17.2 cm

Mattress weight (approx.) 24 kg



Castors (2 brake + 2 brake/steer) 15 cm dia.

Product Weight (approx.)	Model C1000	265 kg
	Model C1080	285 kg

Safe working load (including mattress and accessories) 500 kg



Electrical Data

Power in	4.0A max. at 230V a.c. 50Hz
Power out	24V d.c. Max. 120 VA.
Duty rating	Intermittent 10% (2 min./18 min.)
Electrical safety standards	Complies with EN 60601-1 (BS 5724: Part 1, IEC 601-1)
Electrical shock protection	Class I Type B 
EMC	Complies with BS EN 60601-1-2
Equipotential terminal	Complies with IEC 601-1 
Liquid ingress protection	IPX4
Batteries	2 x 12V series connected sealed, rechargeable lead/acid gel 1.2 amp hrs.

Weighing System

Minimum verification level (scale divisions)	500g
Maximum capacity	500 kg
Minimum capacity	10 kg
Operating temperature range	+10°C to +40°C

12. Transportation and Storage

Handle with care. Do not drop. Avoid shock or violent impact.

The equipment should be stored in a clean, dry and well ventilated area.

The following limits apply during transport and for a storage period of up to 15 weeks:

Ambient temperature	-10°C to 50°C
Relative humidity	20% to 90% at 30°C non-condensing
Air pressure	70 kPa to 106 kPa

The following limits apply to operating conditions or longer periods of storage:

Ambient temperature	5°C to 40°C
Relative humidity	20% to 90% at 30°C non-condensing
Air pressure	70 kPa to 106 kPa

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