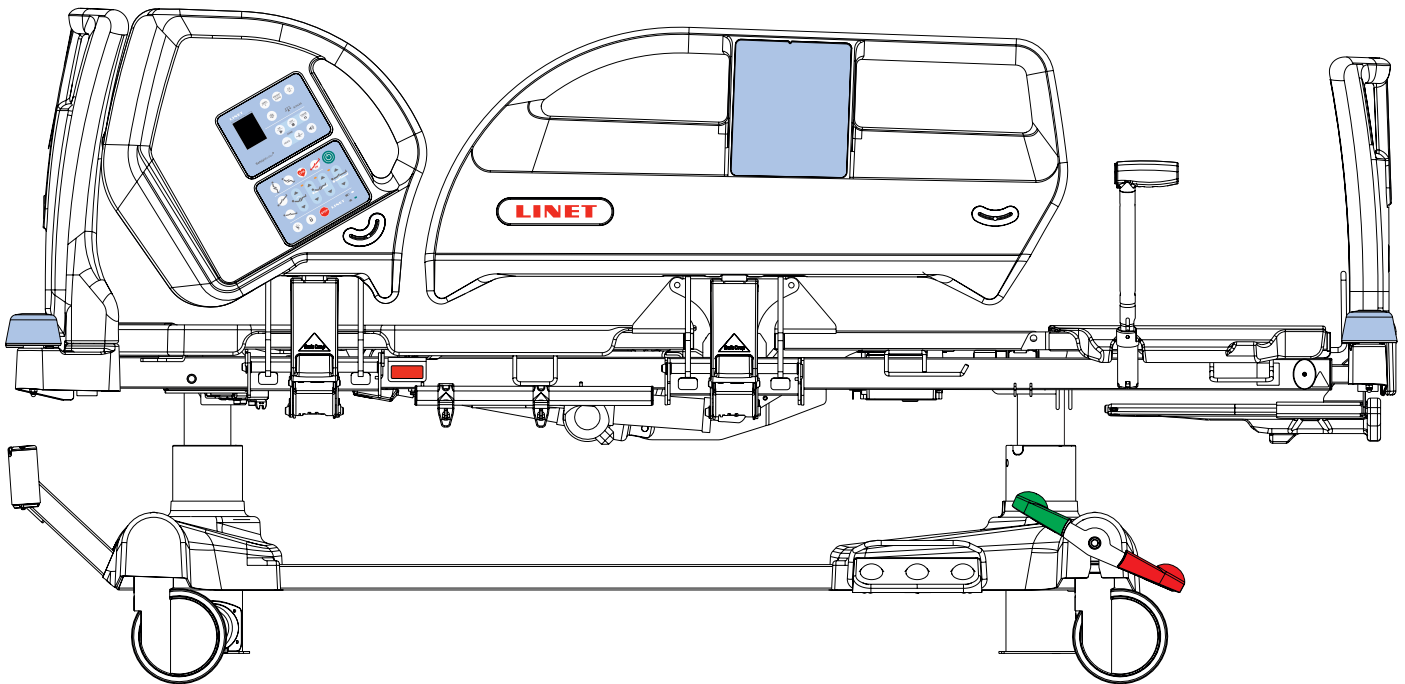


Instructions for Use and Technical Description



ELEGANZA 4

Positionable Bed for Intensive Care

version with scales and without scales

CE
0123

CE UK
CA

D9U001GE4-0101

Version: 13

Publication Date: 2023-03

4 Product Description

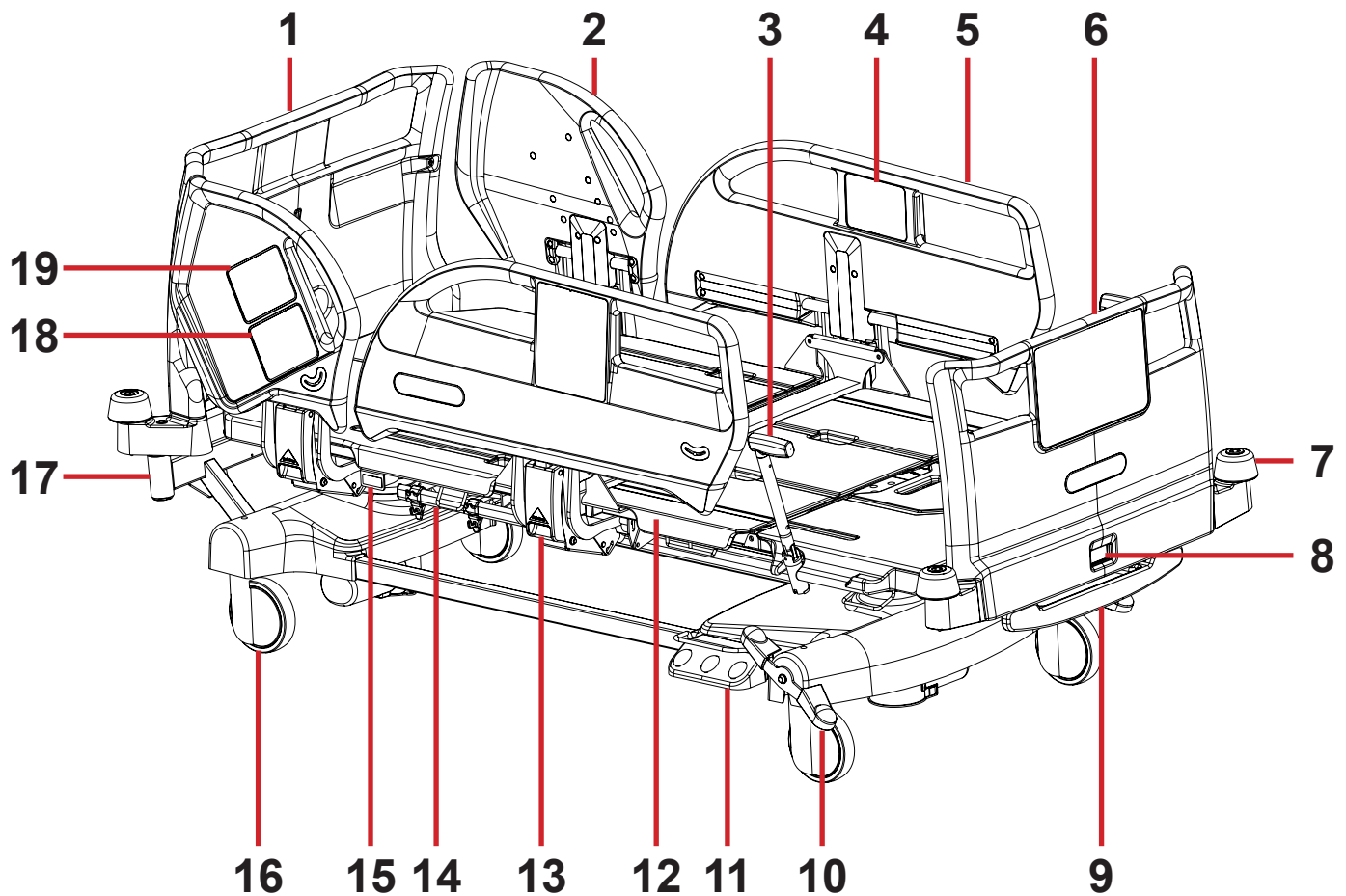


Fig. Bed Overview (Eleganza 4)

1. Removable Head Board
2. Head Siderail
3. Mobi-Lift Handle - Bed Height
4. Patient Control Panel
5. Foot Siderail
6. Removable Foot Board
7. Corner Bumper
8. Foot Board Lock
9. Linen Holder
10. Castor Control Lever
11. Foot Switch - Bed Height
12. Four-part Mattress support platform with Ergoframe® System
13. Siderail Release Mechanism
14. Accessory Rail
15. CPR Lever – Backrest Release
16. Castor
17. Accessory Adaptor
18. Nurse Control Panel
19. iBoard Basic

5 Technical Specification

All technical data are rated data and are subject to construction and manufacturing tolerances.

5.1 Identification of Applied Parts (Type B)

All part of the bed (and accessories) the patient can reach are type B Applied Parts.

- Mattress support platform Frame, Covers and all Movable Parts
- Head and Foot End
- Siderails
- Mobi-Lift® Handles
- Handset
- Patient Control Panels

5.2 Scales

Accuracy of displayed weight values:

- 0,5 kg
- Scales Class III

5.3 Mechanical Specifications (Eleganza 4)

Parameter	Value
External Dimensions in Standard Bed Position (length x width)	217,5 cm x 100 cm
Maximum Siderail Height above Mattress support platform	45 cm
Dimensions of Head Siderail (length x height)	51,1 cm x 46,8 cm
Dimensions of Foot Siderail (length x height)	100,2 cm x 43,1 cm
Bed Extension	11 cm, 22 cm
Maximum Dimensions of Mattress (length x width)	208 cm x 90 cm
Maximum Mattress Height	23 cm
Clearance of Undercarriage	15 cm
Castor diameter	15 cm
Minimum-Maximum Mattress support platform Height (above floor, without Mattress)	41 cm - 79 cm
Ergoframe (Backrest/Thighrest)	7,4 cm / 4 cm
Maximum Backrest Angle	65°
Maximum Thighrest Angle	25°
Maximum Calfrest Angle	20°
Angle between Calfrest and Thighrest	225°
Trendelenburg Angle	14°
Anti-Trendelenburg Angle	14°
Bed Weight (depending on configuration)	195 Kg
SWL (Bed Safe Working Load)	250 Kg
SWL (Lifting Pole Safe Working Load)	75 Kg
Maximum Patient Weight	185 Kg
Mass Of Mobile Hospital Bed (mass of empty bed + safe working load)	476 Kg
Sound Pressure Level	57 dBA
Minimum Sound Pressure Level of Bed Exit Alarm	60 dBA

5.4 Environment Conditions

Use Conditions	
Ambient Temperature	10°C - 40°C
Relative Humidity	30% - 75 %
Atmospheric Pressure	795 hPa - 1060 hPa
Storage and Transport Conditions	
Ambient Temperature	-20°C - 50°C
Relative Humidity	20% - 90 %
Atmospheric Pressure	795 hPa - 1060 hPa

5.5 Electrical Specifications (Eleganza 4)

Parameter	Value
Input Voltage	
Version 1	230 V~, 50/60 Hz
Version 2	100 V~, 50/60 Hz
Version 3	110 V~, 50/60 Hz
Version 4	120 V~, 50/60 Hz
Version 5	127 V~, 50/60 Hz
Version 6	110 - 127 V~, 60 Hz or 220 V~, 50/60 Hz
Maximum Power Input	370 VAC
Ingress Protection (EN 60529)	IP X4
Protection Class	Class I
Electrical Motor Duty Cycle	2 minutes ON /18 minutes OFF
Accumulator	Pb AKU 2 x 12 V / 1,2 Ah / Fuse 15 A
Fuse (version without i-Drive Power)	
Version 1	2x T1.6A L 250 V for 230 V, 110-127 V or 220 V version
Version 2	2x T3.15A L 250 V for 100 V, 110 V, 120 V, 127 V, 110-127 V or 220 V version
Fuse (version with i-Drive Power)	
Version 1	2 x T2A L 250V for 230 V
Version 2	2 x T4A L 250V for 100 V, 110 V, 120 V, 127 V

NOTE Upon request, LINET ® can deliver hospital beds with electrical specifications that comply with regional standards (custom voltage, different mains plugs).

11.2 Castor Control



CAUTION!

Material damage due to incorrect transport and involuntary movement!

- ▶ Prior to transport, ensure that the bed is disconnected from the mains.
- ▶ Ensure that the castors are braked prior to assembly, disassembly and maintenance.
- ▶ Ensure that the castors are braked when the bed is occupied.
- ▶ Hang the mains cable on the transport hook on the bed during transport.
- ▶ Have the bed transported exclusively by nursing personnel and by at least 2 persons.



CAUTION!

Minimal clearance underneath the bed (standard version with 15 cm castors) is 11,3 cm!

- ▶ Observe the path for any obstacles and avoid collisions and possible damages of any bed's part on the undercarriage.
- ▶ Do not use bed lifts and hoists for lifting the bed.

The bed is equipped with central castor's control and brake system.
The control levers are located in the four corners of the undercarriage.

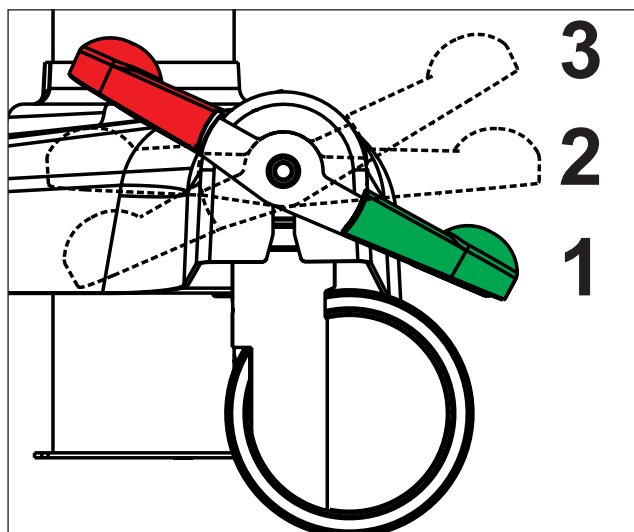


Fig. Positions of Castor Control Lever

Castor control lever positions:

1. Forward Movement - Steering (GREEN PEDAL DOWN)

An arrested castor determines the direction of movement. The bed moves straight ahead. If the bed is equipped with a fifth castor, this castor determines the direction of movement.

2. Unrestricted Movement

All four castors are unlocked.

3. Braked (RED PEDAL DOWN)

All four castors are braked.

11.4.2 iBoard Basic (standard)

The iBoard Basic is the standard control element for the caregivers. It is integrated in the outside of both head siderails. Only bed version with scales can be equipped with iBoard Basic. The iBoard Basic serves for control of scales and control of Bed Exit Monitoring.

- Ensure that exclusively trained nursing staff operates the iBoard Basic.

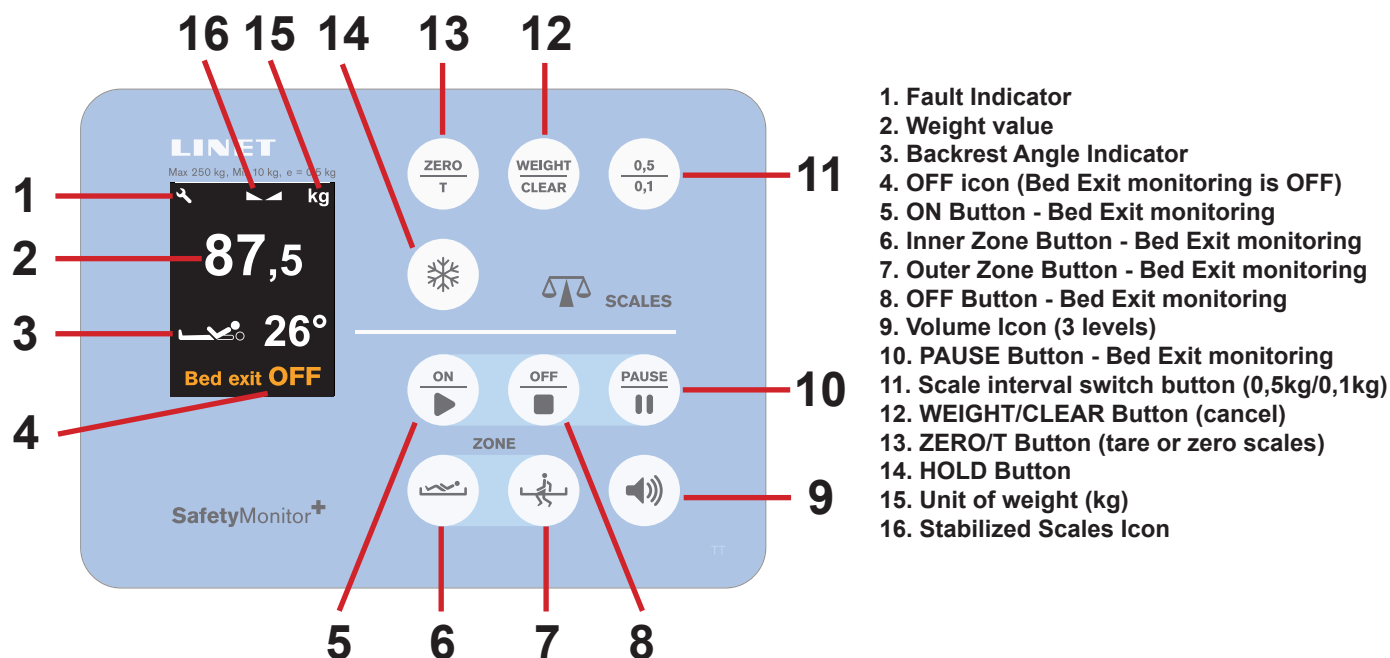


Fig. iBoard Basic

Scales Section (only version with scales)

Eleganza 4 is optionally equipped with a weighing system that allows weighing the patient in bed. There are control buttons and display for the weighing system on the Scales section of iBoard Basic. Scales functions are described in chapter **Scales Control**.

Bed Exit Monitoring Section (only version with scales)

Eleganza 4 is optionally equipped with a Bed Exit Monitoring system that monitors patient's presence in bed and triggers alarms when patient is not present in bed. There are control buttons and display for the Bed Exit Monitoring on the SafetyMonitor section of iBoard Basic. Functions of Bed Exit Monitoring are described in chapter **Bed Exit Monitoring**.

11.4.3 Attendant Control Panel

The Attendant Control Panel is a standard control element. The Attendant Control Panel can be hung on the foot board or on the siderails if required. The Attendant Control Panel can be stored in the Linen Shelf. It is possible to hold the Attendant Control Panel in the hand while operating.

- Ensure that exclusively trained nursing staff operates the Attendant Control Panel.

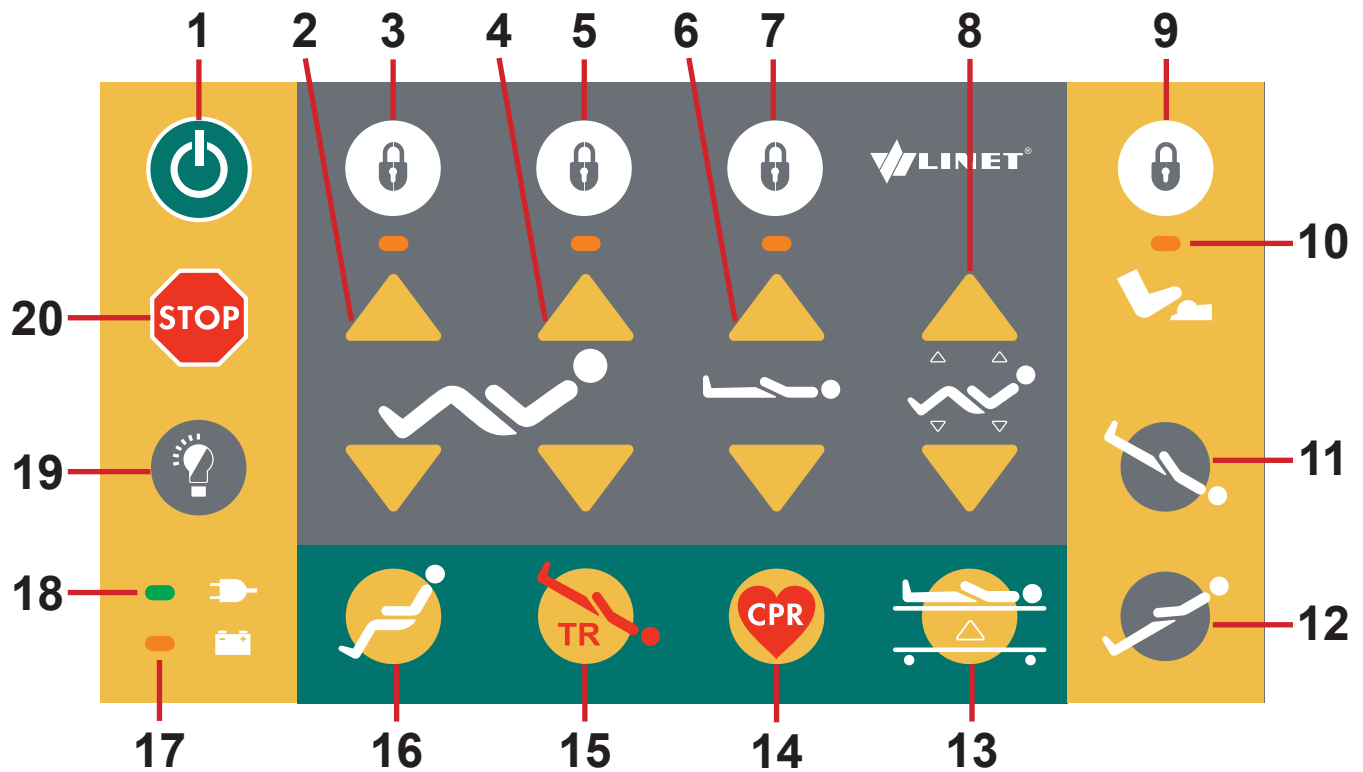


Fig. Attendant Control Panel

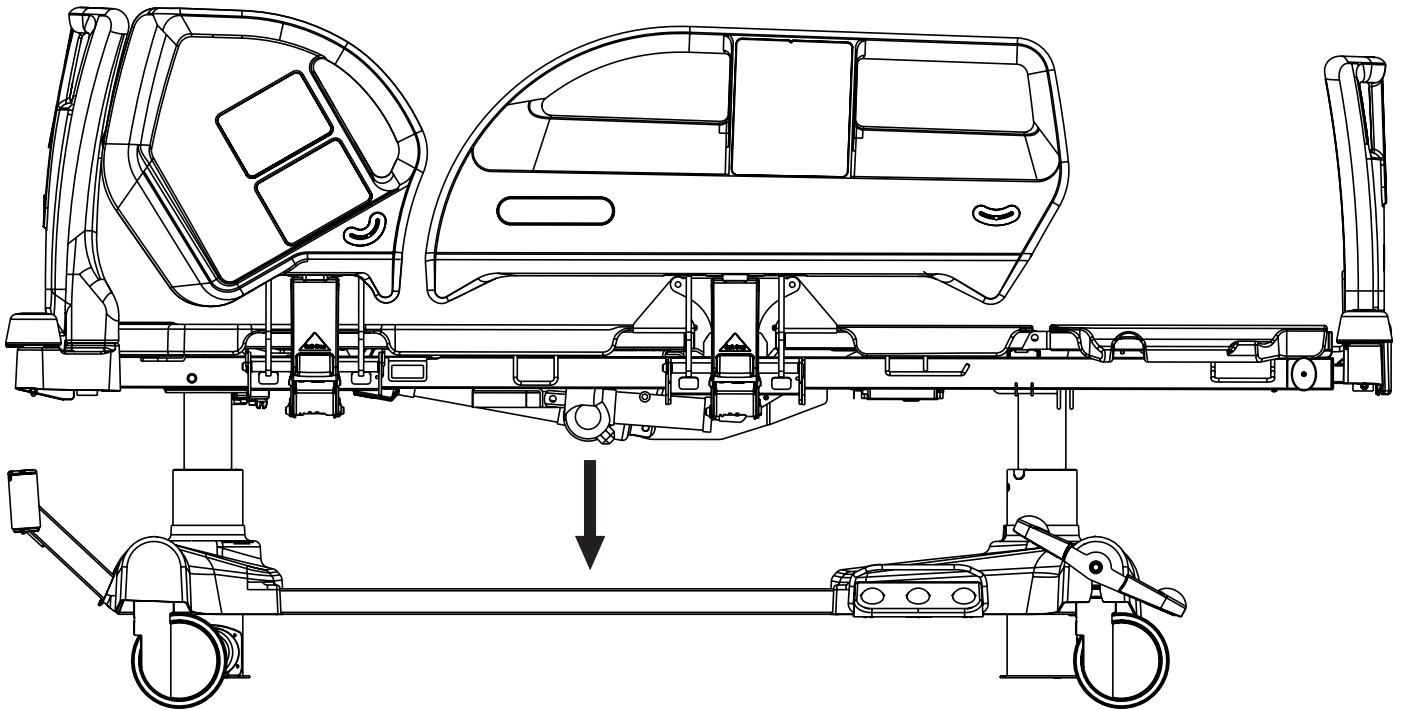
1. GO Button
2. Thighrest Adjustment Button
3. Thighrest Adjustment Lock Button and LED
4. Backrest Adjustment Button
5. Backrest Lock Button and LED
6. Bed Height Adjustment Button
7. Bed Height, Trendelenburg Tilt and Anti-Trendelenburg Tilt Lock Button and LED
8. Autocontour Adjustment Button
9. Foot Switch Lock Button
10. Foot Switch Lock LED
11. Trendelenburg Tilt Button
12. Anti-Trendelenburg Tilt Button
13. Examination Position Button
14. CPR Position Button
15. Emergency Trendelenburg Position Button
16. Cardiac Chair Position Button
17. Accumulator Charge Status LED
18. Mains Power LED
19. LIGHT CONTROL Button
20. STOP Button

Central STOP Button



The central STOP Button immediately interrupts all bed movements in case of unauthorized bed positioning or an electronic failure. Pressing the central STOP Button for at least 0.3 seconds immediately stops all electronic bed movements.

11.5.9 CPR Position



To position CPR Position use:

- Nurse Control Panel
- Attendant Control Panel

In CPR Position the mattress support platform is adjusted to the low position and all the parts of the mattress support platform are in the basic (flat) position.



Fig. CPR Position Button (Nurse Control Panel)

Nurse Control Panel:

- Press CPR Position Button until intended position is reached.



Fig. CPR Position Button (Attendant Control Panel)

Attendant Control Panel:

- Press CPR Position Button until intended position is reached.

12 Scales Control (only version with scales)

Use iBoard Basic to control the scales.

iBoard Basic

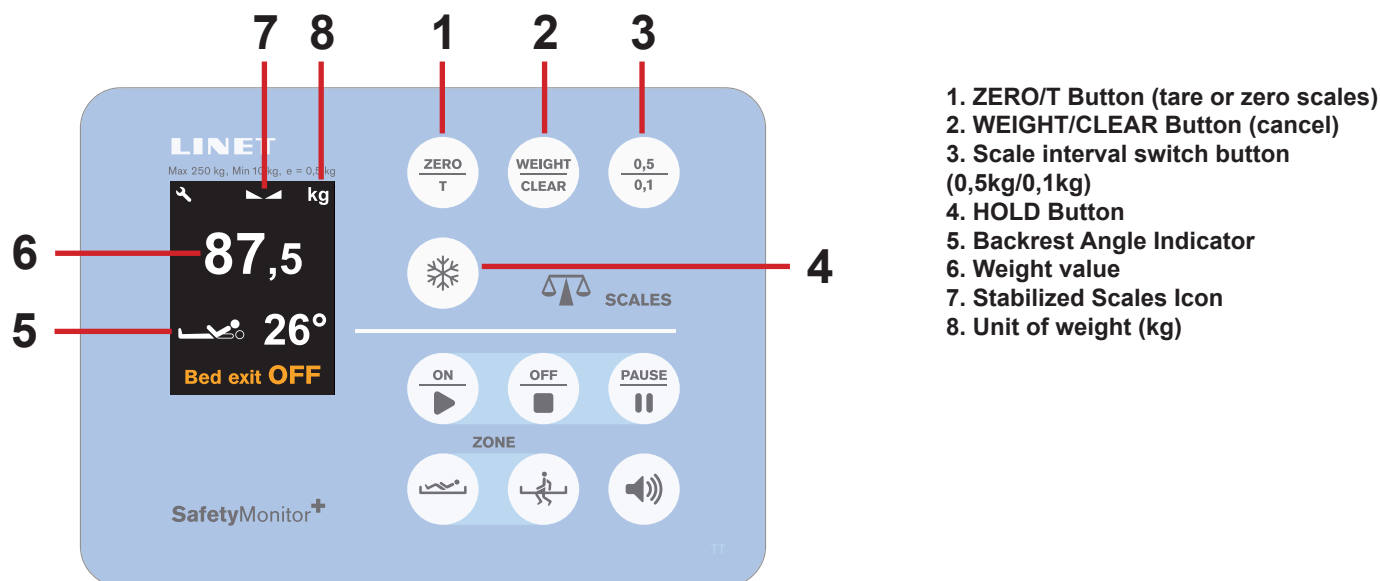


Fig. Scales Section (iBoard Basic) - display and keyboard

12.1 Preparation

- Install mattress and accessories to prepare bed before patient admission and using the scales.



CAUTION!
Incorrect use of scales due to incomplete preparation!
 ► Before each patient admission tare the scales.

12.2 Taring

Taring can be done in a range of 5kg to 249.5kg. Taring is used to set "0" on the display before placing the patient on the bed. Taring must be done with an unloaded bed with mattress, bed sheets, pillows and necessary accessories, without the patient. It is recommended to position Mattress support platform about 20 cm above the lowest horizontal position.

To tare weight:

- Ensure that nothing and nobody touches the bed except you.
- Press and hold button  until value (6) starts to flash. Release button .
- Press button  again to confirm taring. "0" is shown on the display.

Place the patient on the bed.

To cancel taring:

- Press button  while taring.

12.3 Displaying

Verification Scale Interval is 0.5 kg.

- Press button  to display value with actual scale interval 0,1 kg for 5s.

Unit of weight (**kg**) and decimal point are flashing on the display during this mode.

Field 6 shows actual weight value that remains displayed on the display.

If the bed is configured as EMR ready weight value automatically disappears after 1 minute and bed picture appears instead of it on the display. If it is needed, press button  to display weight value again.

14.10 X-Ray Examination (optional)



WARNING!

Respect maximum dimensions of x-ray cassettes!

- ▶ Maximum dimensions of any x-ray cassette for X-Ray Cassette Holder are 46,5 cm x 39 cm x 1,8 cm!



WARNING!

Prevent x-ray cassettes from being damaged!

- ▶ Do not leave any x-ray cassette in the X-Ray Cassette Holder if X-Ray Examination should not be performed!



CAUTION!

Prevent x-ray images from being devalued!

- ▶ Take x-ray images when the bed is braked and no part of the bed is forced to move!
- ▶ Follow the instructions in this instructions for use how to use the X-Ray Cassette Holder!

The Backrest of the bed consists optionally of HPL and is x-ray translucent. The bed is equipped with an x-ray cassette holder inserted under the Backrest left side. This design allows taking x-ray images of the patient's lungs without moving the patient manually.

Necessary Steps before the Examination

- ▶ Make sure that patient is in centre of bed.
- ▶ Make sure that backrest is in lowest position and siderails are raised up.
- ▶ Pull out x-ray cassette holder.
- ▶ Insert x-ray cassette in the horizontal position.
- ▶ Insert back x-ray cassette holder with x-ray cassette so that the cassette centre indicator is exactly under the edge of the mattress support platform.
- ▶ Correct position of x-ray cassette holder using the tooth mechanism so that the upper edge of the x-ray cassette is exactly under the patient's shoulder line. For the correct orientation use the scale on the label. Indicate the position of the patient's shoulder line using the numbers on the scale. Move the x-ray cassette holder in such position so that the centre of the handrail is on the respective scale number.
- ▶ Adjust parameters of the x-ray device and do the image.

NOTE This procedure is above all suitable for patients who cannot be moved due to critical conditions (e. g. internal bleeding) or unstable patients.

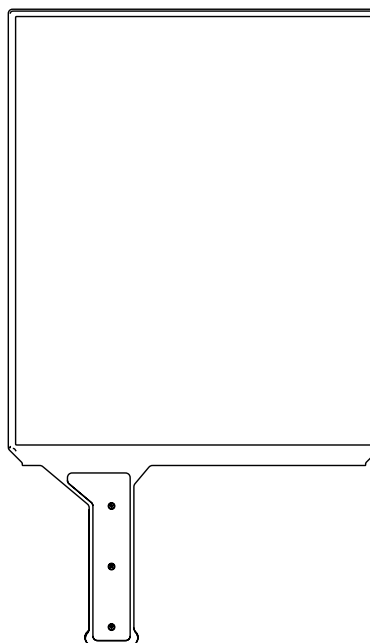
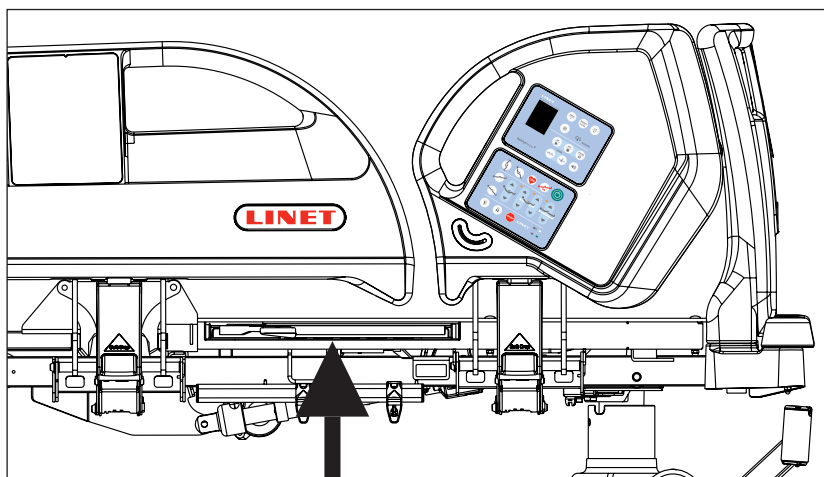


Fig. X-Ray Cassette Holder

16.2 Infusion Stand



WARNING!

Risk of injury due to use of incorrect accessories or because of incorrect use!

Infusion Stands must only be used for their intended use. Always read the instructions for use!

- ▶ Only mount an infusion pump to the lower (wider) telescopic section of an infusion stand above the head/foot board.
- ▶ Never mount an infusion pump to the upper (thinner) telescopic section of an infusion stand.
- ▶ Ensure the infusion pump will not collide with any movable parts of the bed (especially Backrest part) or with the patient. This must be verified during installation.
- ▶ Do not over tighten the infusion pump clamps during fitment. Over tightening may damage the infusion stand.
- ▶ Infusion pump can be only used if the infusion stand is fitted in the accessory holder socket in the head end on the under carriage of the bed.
- ▶ Do not use the infusion stand as driving/pushing device during the bed transport.



CAUTION!

Risk of collision with oxygen bottle holder on the bed end due to incompatibility!

- ▶ Use the foldable infusion stand with adapter to avoid the collision.

Infusion stands are intended to provide a suitable support for the attachment of the infusion pumps/syringe pumps and suspension of the infusion bags or bottles.

Infusion stands can be fitted to the head and foot end of the bed by either fitting into the IV/Infusion sockets mounted on the bed or using alternative accessory holder socket in the head end on the undercarriage of the bed.

- ▶ Use exclusively infusion stands with hooks for hanging IV bags or baskets for intravenous solutions.
- ▶ Ensure the infusion stand individual hook 2kg maximum Safe Working Load is not exceeded.
- ▶ Ensure the infusion stand maximum Safe Working Load is not exceeded.
- ▶ Follow the actual price list for information about types of infusion stands.

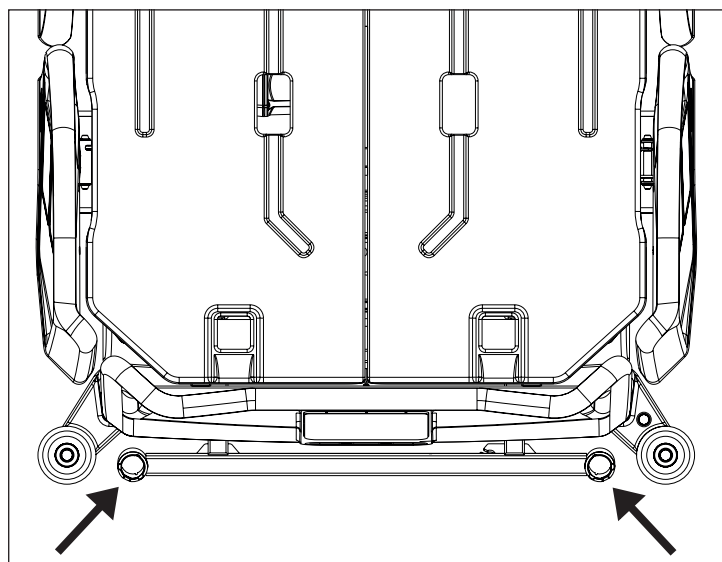


Fig. Places for infusion stand (sleeve fittings on accessory adapter)

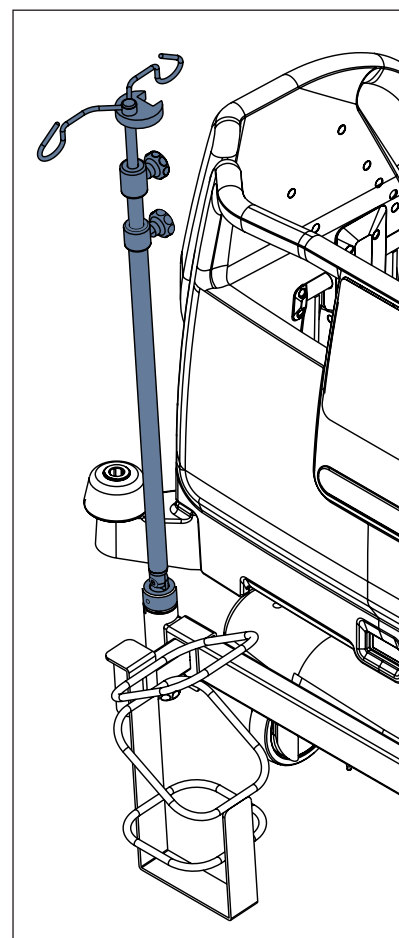
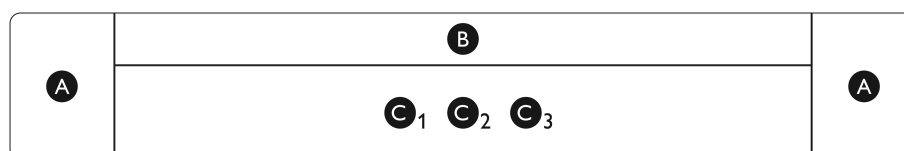


Fig. Infusion stand

TECHNICAL SPECIFICATIONS: VISKOMATT 50

COVER

Material	
Quality	230 g/m ²
	Water vapor transmission at ASTM 96-66 550 g/m ² in 24 hour by 38 °C Liquid-tight according to ISO 1420 > 200 cm
Processing of the cover	welded cover
Fire Resistance	BS 7175 crib 5
Color	dark grey



CORE

Material	Foam	Height	Specification
A	Polyetherfoam	16 cm	41 kg/m ³ – 3,9 kPa
B	Visco-elastic foam	7 cm	85 kg/m ³ – 3,0 kPa
C1	High resilience foam	9 cm	33 kg/m ³ – 3,6 kPa
C2	High resilience foam	9 cm	80 kg/m ³ – 3,8 kPa
C3	High resilience foam	9 cm	33 kg/m ³ – 3,6 kPa
Fire Resistance	BS 6807 crib 5		

CONSTRUCTION OF THE FOAM CORE

- Lying surface with an antimicrobial equipped viskoelastic polyurethane foam 7 cm, 85 kg/m³
- Support layer from polyether-cold foam 9 cm Head and foot area 33 kg/m³, middle area 80 kg/m³
- Edge zone reinforcement Polyetherfoam 41 kg/m³
- Contur cut: foam connection without adhesive seams
- With core protection sock

COVER

- PERLASTIC® Silber protective cover Totalweight 230 g/m² | dark grey
- High infection prophylaxis
- Two handles for an optimized handling
- Hidden extra strong zipper
- Bi-elastic and dimensionally stable, long durability and stability
- Extra strong PU-coated, permanent bacteria- and virus tight Liquid-tight according to ISO 1420 > 200 cm
- Breathable Water vapor transmission at ASTM 96-66 550 g/m² in 24 hour by 38°C
- Antimicrobial equipped
- Latex free: resistant to disinfectants as well as blood, urine, ointments, oils and fats

TREATMENT

- Varied treatments possible:



wipe-
disinfection



do not iron



to 75 °C



waterproof



bacteria and
virus proof



fire
protection

ARTICLE

Dimensions	200 x 86,5 x 16 cm**
Maximum patient weight* (in a lying position)	190 kg
Material	with edge zone reinforcement
Viskoelastic Polyurethane foam	7 cm (85 kg/m ³)
Polyether-cold foam	9 cm (33 kg/m ³ and 80 kg/m ³)
Polyetherfoam	+ (41 kg/m ³)
Item number	4PW521100AS

* The information on the maximum body weight is intended as a guide. The actual contact pressure also depends on the anatomy's body, as well as the adjustment of the bed and the bed base.

** Please consider the following tolerances: Length +/- 10mm
Width +/- 5mm
Height +/- 3mm

LABELLING

We label according to MDR with article description, manufacturer name and contact data, date of manufacture, serial number and recommendation for reprocessing. Global trade item number, date of manufacture and serial number are applied as a data matrix and in plain text.

Base data

Timeliness 17.02.2022

Data	Details	Text
Number	85/3,0 70/4,0 33/3,6 41/3,9	ViskoMatt 50
Match	4PW521100AS	200 x 86,5 x 16 cm
Barcode		
	PAG15	with 10 cm reinforced edge zones on both sides
Weight	approx. 17,82	
Unit of measure	Stk	Core 7 cm viscoelastic antimicrobial foam volume weight 85 / compression hardness 3,0 kPa 9 cm Polyether cold foam 50 cm head and foot area volume weight 33 / compression hardness 3,6 kPa 100 cm middle area volume weight 80 / compression hardness 4,0 kPa EZR Polyether foam volume weight 41 / compression hardness 3,9 kPa covered with PERLASTIC® Silber cover darkgrey with welded seams, concealed L-zipper and two handles <i>Made in Germany</i>