



The connected nursing home bed

How digital technology sustainably relieves the load of nursing care

Digitalization with sentida 7-i

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sentida 7-i



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360° networked nursing care

Save time equivalent to two full-time* employees

Digitalization and the nursing crisis are much-discussed buzzwords - sentida 7-i is the answer.

sentida 7-i provides you with reliable solutions to relieve the load on your nursing staff, such as the new nursing care documentation tool, right at the bed. The input and transfer at the CareBoard® save lots of pieces of paper and back and forth to the PC and therefore helps to save valuable nursing care time of up to 5 minutes per resident. Just like the integrated bed scale, which can save 15 minutes per weighing procedure compared with transfer into a wheelchair and subsequent transport to the scale.

In total this means a time saving of up to 3,400 hours per year – the equivalent of the working hours of at least two full-time carers, for a home with 100 residents.

The new digital features do not only relieve the burden on nursing care time but also contribute to greater efficiency in your institution. They use the highest safety standards possible and save valuable nursing care time for the benefit of your residents – For human nursing care 4.0.

Gain valuable **nursing time** for the benefit of your residents.

1

Input care routines via the CareBoard[®] directly at the bedside

- Saves up to 5 min. per documentation procedure
- Fewer transfer errors due to paperless input and direct entry of care-related data



5

Integratable System with CareBoard®

- No danger from viruses or insecure cloud solutions
- Access management with different user rights
- Needs-based interfaces to documentation systems (optional))



Integrated scale

- Saves up to 15 min. per weighing process compared with wheelchair scales
- Premium fall prevention through early bed edges call





360° networked

nursing care

Infrastructure

Connectivity

- Integration of all important interface standards and protocols
- Call differentiation: Your nursing staff set the right priorities

Daily BMI check with integrated bed scale

- Timely detection of malnutrition
- Home residents have a high risk of malnutrition of around 54%**





10 good reasons

Get started digitally with sentida 7-i



3 Weight monitoring

- Integrated weighing system
- Automatic weight measurement at the push of a button

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1 Care documentation (optional) No longer manage data on paper

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2 System security

Integratable System with CareBoard[®]
 Secure access management

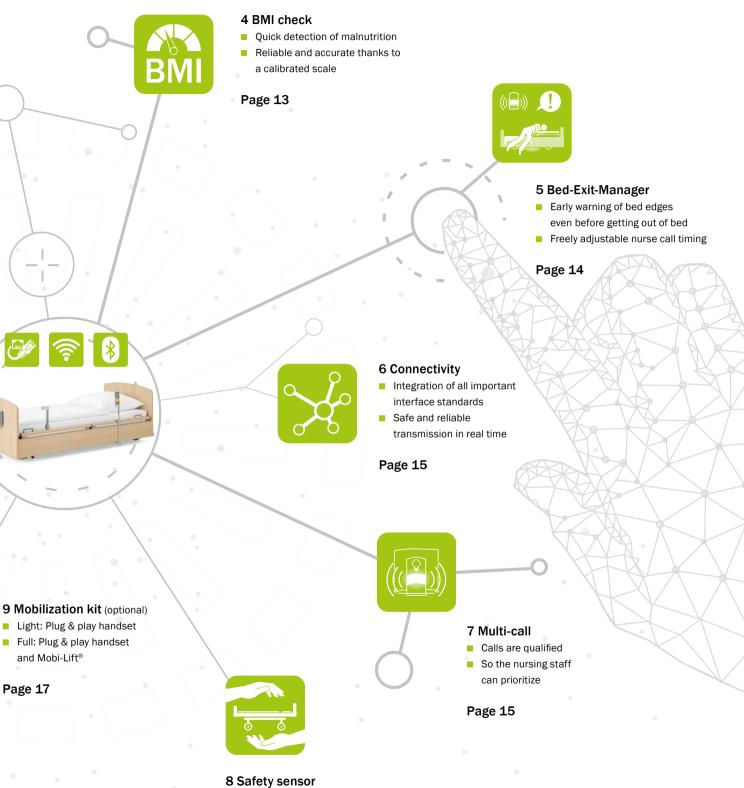
Collect data right at the bed

Page 10



Choice of 2 sensor mats

Page 18



- Side guard assistant (optional)
- Bed height and brake assist system

Page 16



Living idea: Forest

sentida 7-i | Design Df | Decor Elm Salisbury Natural + fabric cover synthetic leather silver gray







1 | Live nursing care documentation (Optional)

Direct input instead of pieces of paper

The comprehensive functionalities of sentida 7-i can be easily operated by means of the CareBoard[®]. The 7" LCD touchscreen enables the nursing staff to organize the various functions in clear menus in order to facilitate everyday nursing care for the user.



- Easy and intuitive operation thanks to clear menus
- Energy saving mode: Automatic switch-off after approx. 10 minutes
- High level of safety: Login menus only for the nursing staff.
 Easy logout using the STOP key
- Access via individual password
 (e.g., from the care documentation)
- Display OFF using the GO safety button with automatic logout after approx. 10 minutes



- Data no longer needs to be managed manually on paper.
- Save up to 5 minutes per documentation procedure.





In the **nursing care routine** menu the most important vital data^{*} such as blood pressure, pulse or temperature can be recorded quickly and easily. Moreover, clear short checklists provide the opportunity to enter daily bed-related and nutrition logs. The data are transferred directly to the server of the nursing care software with **Save&Send**.



With "Save&Send" the resident's weight and vital data are stored and sent easily $\sp{*}$

2 | System security

Integratable system with access management



With sentida 7-i, wissner-bosserhoff sets new standards in terms of safety and making nursing care easier, and shows that it can be done even without virus-prone smartphone/tablet apps or insecure online Cloud solutions. Integrable control system with CareBoard® – this means no viruses or negative external influences from other software or apps. The CareBoard's® permanent cable connection, moreover, ensures constant user security in line with the German Medical Device Regulation Act.

Access management with different user rights guarantees even more security by means of individual passwords.



Sensitive bed settings can only be made by authorized people. Inadvertently switching off an important monitoring function is therefore precluded.





3 | Weight monitoring with touchscreen

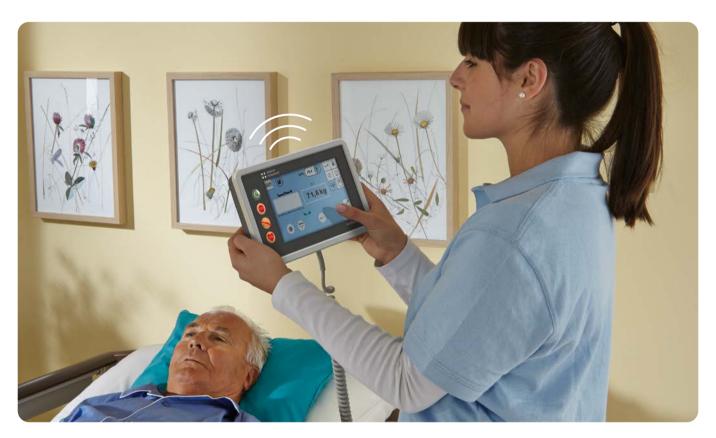
Save time by weighing in bed

The calibrated scale integrated in the bed supports the nursing staff without the cumbersome use of hoists or wheelchairs and therefore ensures a comfortable and dignified weight recording for the documentation. In addition to this, the saved weight trend, which can be displayed in intervals of weeks or months, can improve medical care and also helps to draw conclusions concerning the dosage of medication or the assessment of lymphatic fluid accumulation in the legs. Thanks to the "Save&Send" functionality, the weight data are quickly available in the care documentation.



Save&Send





Weighing with accessories is exhausting, time- and cost-intensive

- 2 nursing staff and aids needed
- Stress for residents
- Multiple repositioning

Advantages of the integrated, calibrated ale

- Weight display and ultimate weight change
- Recorded directly in bed without repositioning
- Freeze function to suppress weight influences (e.g. accessories)
- Transfer via WLAN to nursing care records using the Save&Send function
- Time savings up to 15 minutes per weighing procedure

(Source: Own calculations)

Gain valuable nursing time for the benefit of your residents.*

4 | BMI Check

Early recognition of malnutrition even before the doctor's visit

Changes in eating and drinking patterns in the elderly often lead to an inadequate energy intake which goes unnoticed, body weight is reduced, and at times it leads to the resident becoming severely underweight (old-age anorexia). At the same time, those affected are often short in essential vital nutrients, vitamins and minerals.

The Body Mass Index (BMI) enables the attending physician to quickly detect malnutrition. With sentida 7-i, BMI can be directly evaluated in the Care Board.

The monitoring the nutritional condition of your residents can be an important indicator of the quality of your nursing home.



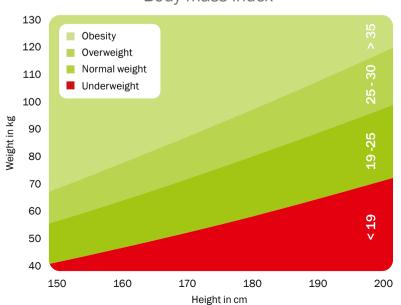




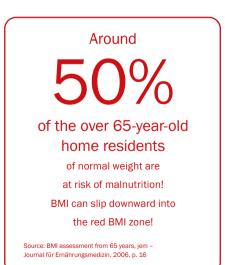
Malnutrition can be detected early with daily BMI checks

- With built-in bed scales from sentida 7-i, you have full BMI monitoring at all times.
- BMI categories enable the quick detection of malnutrition for the attending physician (in nursing care usually a BMI < 19).
- Daily BMI check allows conclusions to be drawn about the general condition of residents.
- BMI calculation is based on a calibrated weighing system and is therefore very reliable and accurate.
- For the safety of your residents and the well-being of your relatives.





Body mass index



5 | Bed-Exit-Manager

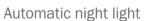
Early warning system before the resident gets out of the bed

wissner-bosserhoff is a reliable partner for reducing freedom-depriving measures (FDM). With sentida 7-i, wissner-bosserhoff presents an intelligent nursing home bed with an intelligent sensor system, which reliably helps reduce freedom-depriving measures day and night. It is equipped with an automatic night light, which is activated when the resident leaves the bed and is deactivated when the resident is back in bed again. sentida 7-i is compatible with almost all standard nurse call systems.

The fall prevention can be an important indicator of the quality of your nursing home.



Bed edge call with early warning sensor -Best possible fall prevention by call signal before leaving the bed



- Night light is automatically switched on when the resident leaves the bed
- Night light is switched off again as soon as the resident is back in bed
- NEW: Different delay times flexibly adjustable



Individual alarm system

- Freely adjustable from 0 seconds (immediate alarm) to 30 minutes
- NEW: Up to five time intervals are available for activation
- Adaptation to resident's mobility
- Early-warning mode for hyperactive residents. The nursing staff is called as soon as the resident seems to fall out of bed





Bed exit call notification -For quick reaction when leaving the bed

More safety = less restraints

- Faster response time in the event of falls
- Greater safety during night and weekend shifts
- Systematic implementation of the findings of the initiative for the reduction of restraints, the Werdenfelser Weg*

(Source: Own calculations)

6 | Connectivity

Ready for your infrastructure

The digital nursing home bed sentida 7-i has all the important interface standards already integrated and uses proven standard health care protocols to transfer the residents' data. This guarantees the secure and reliable transfer of your residents' data in almost real time, whereby the carers save time and their workload is considerably eased.

NEW: A so-called middleware now makes data transfer from the bed to the nursing software even easier. All common interface standards and data formats are supported. In addition, other third-party systems can be connected to the new connector.



ELDAT &

Medical standard wireless protocol



Ready for SafeSense® 3 Discover our digital care assistant for optimum resident monitoring.

Standard interfaces



Qualified calls for the right priorities

No matter whether it is the bed exit bed edges call, side guard assistant or moisture assistant which are activated. Using the **multifunctional call**, it is possible to differentiate and prioritize calls. In this way the nursing care staff immediately know which resident is in the most urgent need of help.





Resident conditions



ΗR[®]

- Bed edge early warning before the resident gets out of the bed
- Bed exit with a time-delayed call individual to the resident
- Day and night mode
- Protection against maceration thanks to early moisture detection in bed
- Cotton or plastic mat (accessories)
- Enhances the resident's dignity

Bed states

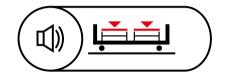


- Free mode to avoid FDM
- Safe mode to ensure approved FDM during the night
- Bed height and braking assistant
- Protection against maceration thanks to early moisture detection in bed

8 | Safety sensor (optional)

For the benefit of your residents

Three sensor assistants ensure a higher level of safety around the nursing home bed. A signal is sent by the integrated sensor system as soon as an activated assistant reports an unsafe situation involving the bed. This prevents accidents caused by falls.







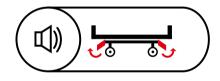


The side guard assistant with the two modes Free & Safe.

Free mode: The new side guard assistant automatically emits a signal if side guards were accidentally lifted. This prevents unauthorized restraints, effectively supporting the work of guardians ad litem in compliance with the "Werdenfelser Weg".

Safe mode: In the safe mode, the side guard assistant increases the safety of very active residents, securing them with an authorized restraint. The nursing staff is also automatically notified if the side guard of the bed is deactivated on purpose or by accident.



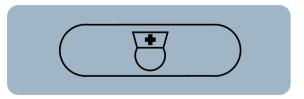


The bed height assistant notifies nursing staff if the selected bed height is changed. This, for example, makes it possible that the low position is set for the night and the best transfer position is set for the day, contributing significantly to preventing falls.

The braking assistant signalizes if the brake is released and not locked again after nursing care or cleaning.

Monitoring states





Care mode allows all light alarms to be deactivated. This avoids the unintended activation of light alarms during daily routine nursing tasks. After 10 minutes it automatically switches back on.

9 | Mobi-Lift[®] (optional)

For self-mobilization





Mobi-Lift®

- Can be folded down
- Ergonomical
- Stable

Immobility syndrome

People who are confined to their bed have limited mobility. If this restricted mobility is not countered, the so-called immobility syndrome occurs.

- RISKS:
- Risk of thrombosis
- Risk of bedsores
- Confusion

(Source: Pflegeassistenz: Lehrbuch für Gesundheits- und Krankenpflegehilfe und Altenpflege, Thieme Verlag); (Nursing assistance: a textbook for health, nursing and geriatric care, published by Thieme)



10 | Moisture assistant (optional)

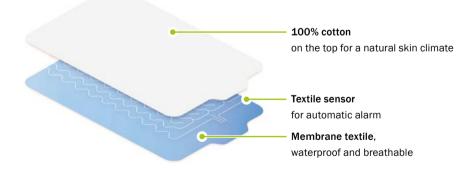
Sensor mat with nurse call function

If moisture is detected in the bed, a silent alarm is transmitted to the SafeSense® 3 monitoring system and, if required, a call is also transmitted to the in-house call system. The moisture assistant immediately detects moisture in the bed and helps to better protect residents from maceration and pressure sores.



Cotton sensor mat, washable at 60 °C

Cotton flannel for more lying comfort



Push buttons for easy handling

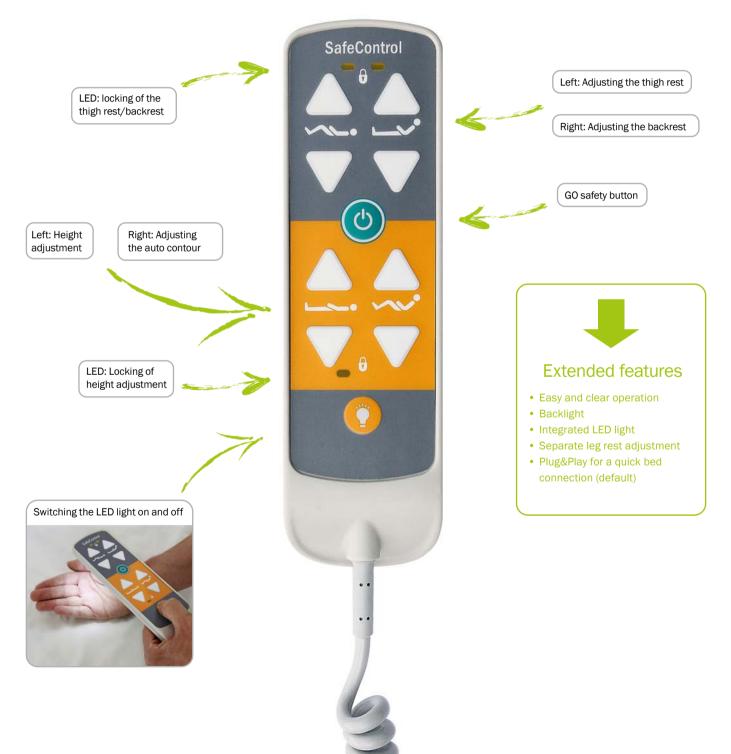




Residential comfort and safety

SafeControl - illuminated design handset

The SafeControl design handset impresses at first glance, thanks to its clear structure and ergonomic design. Large, raised buttons are clearly arranged and enable easy operation, particularly at night, thanks to an **illuminated control panel**.



Intensive and critical care

Acute care package

In addition to the medical benefits, safety and compliance with the IEC 60601-2-52 standard are the first priority. The sentida 7-i nursing home bed offers preset emergency and therapy positions, which can also be initiated if the LCD touchscreen is down.



The emergency stop button immediately stops any unwanted bed movements and instantly disconnects the bed from the power supply. Electrical CPR can be performed and the patient moved into the Trendelenburg position automatically at the touch of a button. The bed comes equipped with a battery as standard. All emergency functions can be activated in the event of a power cut. Thanks to the mechanical CPR function, the nurse can lower the backrest by hand.

Emergency stop

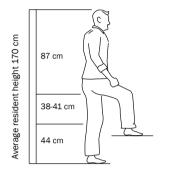
Trendelenburg

Effective bedsore prevention

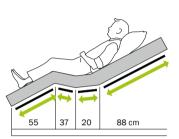
Patient surfaces – ergonomics & modularity

The ergonomic division of the patient surface helps prevent pressure and therefore contributes to pressure ulcer reduction. The dimensions of the 4-part patient surface of wissner-bosserhoff nursing home beds are based on findings from anthropometrics, i.e. on the average size and height of a person. On the basis of professor Eigler's^{*} findings, it can be seen that the backrest area should be at least 80 cm long in order to effectively support the cervical spine.

An additional reduction of pressure can be reached with the BiNetic patient surface for patients with above-average height due to its integrated bed extension. The patient surface can be extended to 220 cm either temporarily and without tools using the express bed extension, or permanently with the bed extension set, preventing the legs from bumping on the foot end.



Anthropometry according to Prof. Eigler*



BiNetic patient surface 200 cm (long backrest)



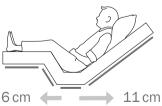
Double retraction of the bedding area – Safe and comfortable mobilization in bed

Standard patient surface without relief



Single retraction = risk of pressure ulcer

WIBO patient surface with notable relief



Double retraction = pressure ulcer prevention

Double retraction = **17 cm** more space in bed!

The double retraction

- Optimizes the support surface in the seat area by increasing the surface area of the backrest and thighrest,
- Can increase pressure relief on sensitive areas of the body such as the buttocks and tailbone,
- Can facilitate breathing by creating more space through a relaxed sitting position in the chest and abdominal area,
- Offers preventive and comfortable positioning of immobile residents/patients in combination with the long backrest of almost 90 cm.

Protection and mobility without FDM*

SafeFree® the patented side guard concept

The SafeFree[®] divided side guard system is patented and voluntarily certified. The technology has been tested in practice more than 1,000,000 times. You can lower the space-saving side guards quickly in only 2 seconds and individually adjust them to four heights, depending on the care situation and size of the resident. Obtaining freedom instead of taking it away, in agreement with the Werdenfelser Weg (Werdenfelser care pathway)^{*2}.

1 No protection needed



Lowered, the divided side guards look homely and provide unhindered access to the resident for daily routine nursing tasks. No need to take off and store accessories that are in the way, such as a middle post or fixed side guards.

2 Soft protection (no FDM*)



For safety at night, it is often sufficient to combine the low position of the bed with the first height level of the head-end side guard. This avoids unnecessary barriers and effectively reduces the risk of falls on the long term. The resident can orient himself without being restricted.

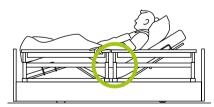
³/₄ protection (no FDM*)



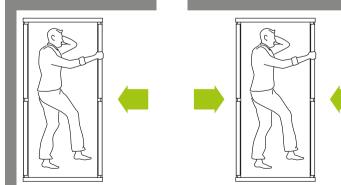
Creates a deliberate bed egress gap at the foot end to reduce freedom-depriving measures (FDM) while at the same time maintaining a high safety standard.

More safety due to smaller central gap*³ < 60 mm

All-round access for nursing tasks = with 4 divided side guards



- Targeted compliance with the standard IEC 60601-2-52
- Safety in working position, i.e. also with raised backrest or leg rest
- Safety without using an additional central gap protector as accessory for restraint with an abdominal belt in accordance with the BfArM*⁴



- Flexible use of the bed for standard care, even in limited spaces
- Flexible access from both sides of the bed in case of increased need for care
- Flexible use of the bed for bed egress on the left or right side to mobilize the resident
- Avoiding follow-up costs for upgrading divided side guards

4

Full protection (FeM*) for mattresses up to 18 cm



The highest position provides comprehensive protection of the resident. The distance between the two parts of the side guards is minimal, making them just as safe as a continuous side guard and exceeding the requirements of the standard IEC 60601-2-52. It is not necessary to stock up on accessories to close a central gap when using an abdominal belt for restraint.



If you use a thicker mattress, you can raise the side guards by an additional 6 cm.



Safe mobilization regardless of body size





Divided side guards are very useful for effective mobilization, as they are easy to grab and clasp. They can be used as a safe standing-up aid and verifiably support the resident's mobility.

2 Automatic positions



Watching television, reading or eating breakfast in bed with automatic comfort seating



Bedsore prevention and keeping heels free with automatic positioning



Safe nursing care, mobilization and sleep

3-stop strategy

- Comfortable adjustment range from 27 to 80 cm
- First automatic stop at 41 cm at chair height for bed egress
- Collision protection when adjusting the bed from the low position and when using a bed extension

80 cm

41 cm*

Optimal nursing position

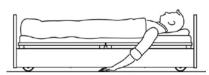


Safe mobilization at chair height



Fall prevention during sleeping phases









Flexible and time-saving

3 bed lengths that can be adjusted without tools

Learn more:



- · All standard wissner-bosserhoff nursing home beds are equipped with an integrated bed extension.
- Adjusted flexibly and without tools to different bed lengths.
- The requirements of the standard IEC 60601-2-52 are complied with in each configuration.

200 cm

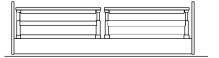
Bed length of 200 cm: The divided side guards offer protection without a central gap > 318 mm^{*} and without a protector.

210 cm

Alternative bed length of 210 cm: Protection with longer side guards at the foot end without accessories and without a gap > 318 mm**.



Bed extension to 220 cm: is temporarily adjustable with divided side guards for sentida - complete protection through foot-end protector (accessory) is guaranteed.





· —		·
(*) A	(r) (r)	·



Living idea: Dahlia

sentida 7-i | Design G10 | Decor Lindberg oak









2 models to choose from

The cozy one



Movability At every bed height

Castors Four 50 mm double castors Completely covered by homely undercarriage



- Braking capacity One pedal brake for each axle with 2-castor central braking system
- Height adjustment 27-80 cm

The extra mobile one



Movability At every bed height

Castors 100, 125 or 150 mm easy-roll castors or 125 mm double castors or design castors



Braking capacity Foot-end brake bar with 4-castor central braking system

Height adjustment 27-80 cm with 100 mm easy-roll castor 29.5-82.5 cm with 125 mm easy-roll castor 28-81 cm with 125 mm double or design castors 32-85 cm with 150 mm easy-roll castor

CareBoard®

Two positions to choose from



Wall mounting, head-end cable connection



Holder at the foot section, foot-end cable connection



Special design elements of the luminaires are the wave-shaped or transparent lampshades with the partially translucent character. Equipped with a swivelling arm, our luminaires enable the exact positioning of the light point near the object to be illuminated.





Comfort LED reading light lymera

Advantages of the LED

• Long service life

- Low energy consumption
- No heat generation
- Absolutely safe operation



Design LED lamp soluna with corrugated lampshade



Colors | Decors^{*} | Soft cover

Colors | Decors*



Synthetic leather | Soft cover for head/foot section Df*



Fabrics | Soft cover for head part / footrest Df*



Color combinations





Soft cover - Inexpensive and flexible

All the fabric and imitation leather decors shown are available as covers, which you can easily attach to the head and foot sections* of your nursing home beds yourself without the need for tools. The soft covers are extremely durable, moisture and dirt resistant, water repellent and breathable.



Decor: Elm Salisbury Natural

Design | head / foot sections

Head section		Foot section		Low foot section	on
	Design A Head-/Foot section		Design Ak Head-/Foot section		Design Ak Folded down
	Design Df		Design Df		Design Dfx
	Design G		Design G		Design Gx
	Design K		Design K		Design Kx
	Design O		Design O		Design Ox
	Design Ts		Design Ts		Design Tsx

For sure

The company is certified in accordance with the regulations of the standard DIN EN ISO 9001 for quality management systems, DIN EN ISO 13485 for the manufacture of medical devices as well as ISO 14001 for environmental management. wissner-bosserhoff voluntarily has its production processes and management regularly audited by the TÜV Süd.





CLIMATE NEUTRAL

COMPANY certified by Fokus Zukunft climate peutral via offsetting







CB certificate for product safety, TÜV Süd

Certificate ety, for side guards



We have had the greenhouse gas emissions caused by our company's activities recorded^{*} and offset them by purchasing climate protection certificates for the years 2022 and 2023.

Bedside tables and other accessories

can be found in extra brochures or at www.wi-bo.de













Furnishings and accessories

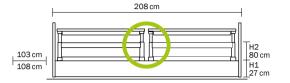
Optional features

Basic version

Scales (incl. BMI CHECK), Bed exit, preparation of care documentation

Module 1	Care documentation
Module 2	Free & Safe
Module 3	Moisture kit
Module 4	Mobilization kit

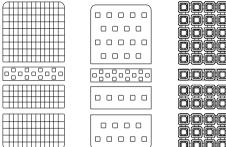
Dimensions



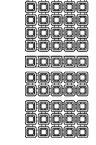
sentida 7-i with divided (10) side guards, without gaps Outer dimensions: L = 208 cm, W = 103/108 cm Mattress dimensions: L = 200 cm, W = 87 cm H1 27 cm (low position), H2 80 cm (highest position)

10-0697 sentida 7-i The intelligent & cozy one 10-0698 sentida 7-i The intelligent & extra mobile one

Patient surfaces



02 EasyClean



01 Standard | Aero

03 Comfort

Permanent bed

extension divided

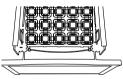
10 side guard (optional)

Head-end cable

for wall mounting

connection with holder

Bed extensions



Bed extension with express release (optional)

Options



Vertical wall stopper castors



3-D wall stopper castors, horizontal and vertical protection



10-0580 Protector for bed extension by 20 cm (optional)



Foot-end cable connection with holder at the foot end



LED junction box for soluna and lymera



Connection for moisture sensor mat

Patient surface modularity

- You can choose between 3 different patient surface options:
- 01 The wire mesh patient surface Aero ensures good aeration.
- 02 The synthetic mats of the Easyclean patient surface are especially easy to clean.
- The comfort patient surface with its 55 spring elements not only promotes 03 bedding comfort but also makes a valuable contribution to pressure ulcer prevention.





Comfort patient surface with 55 spring elements

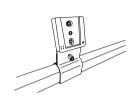
Accessories



50-0938 Cotton sensor sheet without cable



50-0945 Cable for the cotton sensor sheet



10-0887 CareBoard[®] bracket for designs G and Gx



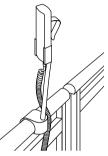
04-1508 Adapter cable with on/off switch and suitable plug for connection to the nurse call system (customer-specific) for cable and wireless version



04-1608 Adapter cable without on/off switch; with suitable plug for connection to the nurse call system (customer-specific) for cable and wireless version



50-0681 Wireless receiver for wireless version



10-0419 and 10-0790 The handset is easy to reach for both the resident and staff at all times



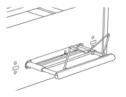
50-0165 Urine bottle cage 50-0164 Urine bag holder (not shown) 10-0424 Accessory attachment for attachment to side panel



50-0174 Cushioning for divided side guards (10)



50-0771 Fall mat W 90 x L 200 cm, height approx. 4.5 cm



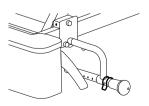
10-0617 Integrated Design Linen holder compatibel with all beds (except 09 side guard with trigger release and Design A-kk)



10-0719 Linen holder



Head-end wall spacer, telescopic, 10-0801 short, 1 x 20 mm 10-0802 medium, 4 x 20 mm 10-0803 long, 8 x 20 mm



Side-mounted wall spacer, telescopic, **10-0806** long, 8 x 20 mm



Members of LINET Group

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