

Instruction for use

Examination and treatment table

Easy Care



	Easy Care Examination and treatment table
Base device:	<input type="checkbox"/> WY3019 <input type="checkbox"/> WY3020
Serial No. base device:	
Serial No. radiant warmer Ceramotherm 3100:	
Software radiant warmer:	as from V1.00
Year of manufacture:	

D2151_00 – 10/2017

Introduction:

The examination and treatment table Easy Care is a medical device which features the state-of-the-art infra-red technology for the use in medical areas.




The user of the examination and treatment table Easy Care must be thoroughly acquainted with this instruction for use. Therefore it is necessary to carefully read this instruction for use prior to using the examination and treatment table. The instruction for use must be kept available at all times for users to consult.

This instruction for use applies for the following devices:

WY3019	Examination and treatment table Easy Care <i><u>Fixed-height</u> trolley, patient deck with 3 raised sides, drawer and radiant warmer CERAMOTHERM® WY3100</i>
WY3020	Examination and treatment table Easy Care <i><u>Height-adjustable</u> trolley, patient deck with 3 raised sides, drawer and radiant warmer CERAMOTHERM® WY3100</i>

** Depending on model and configuration

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1. Intended use





The examination and treatment table Easy Care is used to maintain the body temperature of infants up to 8 kg body weight and max. 70 cm body height.

2. Symbols









The following symbols are used for the examination and treatment table Easy Care and in its accompanying documents:








General

Symbol	Meaning
	Attention, observe warnings
	Observe instruction for use
	Do not dispose in domestic waste
	Manufacturer
	Label next maintenance


Symbol	Meaning
	Year of production
	Model- / article number
	Batch / lot
	Serial number


Radiant warmer

Symbol	Meaning
	Hot surface
	Radiant heat
	Heating
	Illumination
	Timer
	Balance time until automatic intensity reduction
	Audio alarm pause
	Power failure

Symbol	Meaning
	Default value heating
	Maximum value heating
	Reset to factory setting
	Default value illumination
	Stop clock
	Countdown timer
	Distance between radiant warmer and patient deck

Height adjustment**

Symbol	Meaning
	Height adjustment (up)

Symbol	Meaning
	Height adjustment (down)

** Depending on model and configuration

3. Safety instructions and warnings

The examination and treatment table must only be put into operation when it was duly mounted by qualified persons and if neither the device nor the fixing elements show any damages. There is a risk of injury to patient and user.

It is necessary to carefully read the complete instruction for use prior to using the examination and treatment table. The device must only be operated when the contents of this instruction was understood. There is a risk of misuse.

The instruction for use must be kept available at all times for users to consult.

The examination and treatment table Easy Care is only suitable for the "intended use" described before and must only be used under medical supervision by qualified persons. Remarks in this instruction do not substitute the medical advice. Any other use can cause hazard to patient and user.

To avoid the risk of an electrical stroke this device must only be connected to a power supply with earth conductor. Furthermore, to avoid electric potential difference, this device should be connected to a protective equipotential bonding.

In order to completely separate the examination and treatment table Easy Care from the power supply, the device plug must be disconnected. During installation respectively mounting take care that the device plug is accessible at all times.

When connecting additional devices to the examination and treatment table Easy Care the "General requirements for the safety of medical electrical systems EN 60601-1-1 + Supplement A1" in their latest version must be observed, in particular the permissible limit values for the total sum of leakage currents. The max. power input for additional devices must be observed (refer to chapter 13 "Technical Data").

In order to ascertain the safe operation and to preserve the value of the examination and treatment table Easy Care, regular maintenance measures according to chapter 12 are recommended. Weyer GmbH is only responsible for the safety features of the device when these maintenance measures are carried out in regular intervals by us or by authorized qualified persons and by using original spare parts.

This device must not be modified without our explicit consent, otherwise any warranty claims and product liability will be lost.

If the examination and treatment table Easy Care shall be transported or stored, the environmental conditions from chapter 13.1 must be observed. Shock and strong vibrations can damage the device.

4. Requirements of the location

The examination and treatment table Easy Care is suitable for clinical use in medical areas. It can be used under the following operation conditions:

Ambient temperature:	18 to 30°C
Relative air humidity:	15 to 90 % (no condensation)
Atmospheric pressure:	860 to 1100 hPa.

- ⚠ The device is not suitable for the use in explosion-hazardous areas.
- ⚠ The device is not suitable for domestic use.
- ⚠ The examination and treatment table Easy Care must not be operated close to strong or high-frequent electro-magnetic radiation sources such as HF surgery devices, MRT or similar. Under unfavourable conditions this could cause faults.
- ⚠ The ambient conditions for the examination and treatment table must in no case be influenced by warming or air condition devices. The selected values are distorted.
- ⚠ Sunlight, draught, cold exterior walls and windows close to examination and treatment table will impair the patient's temperature balance.
- ⚠ In case of height-adjustable devices no objects must be placed in the moving range which could cause collision.
- ⚠ No fluids must be placed above the radiant warmer which in the case of fault might flow into the device.
- ⚠ For fire prevention take care that there is no inflammable material (e.g. curtains) within 50 cm around the radiant warmer.

5. Structure and operating principle

The examination and treatment table Easy Care consist of the following components assemblies:

- 1. Trolley**
 - 1.1 Smooth double castors
3 x total lock
1 x steering lock
 - 1.2 Electrical distribution
 - 1.3 Height-adjustment**
- 2. Patient deck with 3 raised sides**
 - 2.1 Pad with upholstered sides walls
- 3. Drawer**
 - 3.1 Drawer underneath the patient deck
 - 3.2 Shelf fixed at the pillar**
 - 3.3 Drawer fixed at the shelf**
- 4. Tube assembly Ø 27 mm**
for adapting upgrade items and accessories, e.g.
 - 4.1 Shelf **
 - 4.2 Instrument rail **

For further accessories refer to chapter 9.1
- 5. Infra-red radiant warmer**
CERAMOTHERM® WY3100



** Depending on model and configuration

1. Trolley

1.1 Smooth double castors

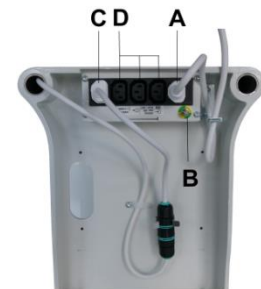
The trolley supports the entire device. It has four antistatic smooth double castors, 3 with total lock, 1 with steering lock for easy manoeuvrability. Four bumpers protect from damages during transport.



1.2 Electrical distribution / Take-off sockets

The electrical distribution is arranged below the rear side of the trolley, providing the following connections:

- Power connection **A**,
- Earth circuit connector plug **B** according to DIN 42801 for ZPA-connection cable (green/yellow) DIN 42801-2
- Take-off socket **C** for the radiant warmer Ceramotherm
- Connection of the electrical height-adjustment ******
- 3 take-off sockets 230 V~ for connecting accessories (each max. 400 W)



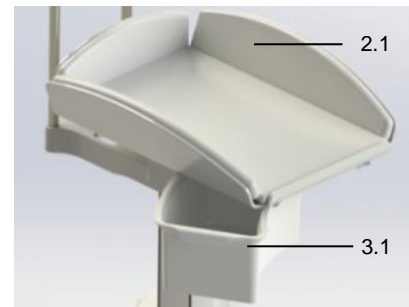
1.3 Height adjustment ******

The examination and treatment table Easy Care is gently and smoothly height-adjustable by foot pedals ("soft-lift pillar"). In this process the whole body of the device, including the accessories attached, is moved vertically by an electric motor. The foot pedals can be arranged at the front or at either side of the trolley. A second pair of pedals can be provided as an option



2. Patient deck with 3 raised sides

The patient deck is arranged on the trolley. 3 raised sides prevent the patient from falling off the deck. The patient deck provides a pad and upholstered side walls 2.1.



3. Drawer

The drawer can be arc-shaped slid out, which offers full access to the user.

3.1 Drawer arranged under the patient deck

3.2 Shelf WY3035 fixed at the pillar ****** (optional) without drawer max. 4 shelves can be adapted, with drawer max. 2 shelves per device.

3.3 Drawer WY3036 ****** (optional) fixed at the shelf WY3035, Volume 40 x 15 x 16 cm (4 l), load 6 kg, arc-shaped sliding out to both sides max. 2 drawers can be adapted per device.



****** Depending on model and configuration

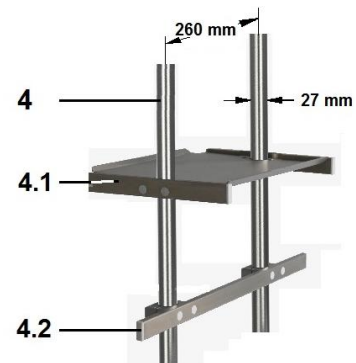
4. Tube assembly Ø 27 mm

Two high-grade steel tubes are provided for adaptation of the radiant warmer and for fixing accessories and additional devices with fixture for tube Ø 27 mm, e.g.:

4.1 Shelf WY3061** (optional)

4.2 Instrument rail 25 x10 mm WY3064** (optional)

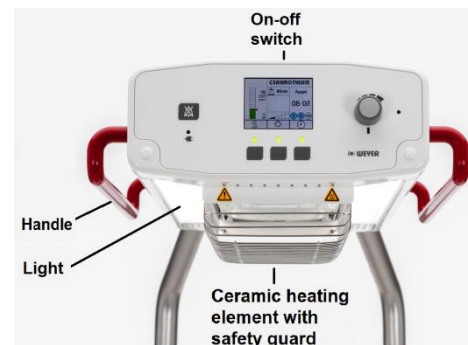
For further upgrade items refer to chapter 9.1



5. Infra-red radiant warmer

The radiant warmer is used for pre-warming the patient deck and for maintaining the patient's body temperature during the treatment. It generates long-wave infra-red radiation energy in the far non visible infra-red range.

The patient's upper skin layers are warmed-up and small blood vessels expand. So the metabolism is activated and the transport of heat in the blood is accelerated.



The long-life ceramic heating element does not scale and is not affected by slight liquid splashes.

The radiation intensity emitted to the patient deck is selected defined in mW/cm². As an option the selection can be changed into "heating capacity in percent". The selection and the radiation intensity respectively the heating capacity (%) actually emitted to the patient deck are permanently displayed. Deviations from the selected radiation intensity respectively heating capacity (%) as well as system faults and power failure are alerted visually and audibly

At intensity selection above 10 mW/cm², after 15 minutes the radiant warmer automatically reduces the intensity to a safe value and alerts visually and audibly. The user can now reduce the intensity/capacity selection or confirm the high intensity/capacity selection by keypress for the next 15 minutes.

For certain applications this safety function can be switched-off temporarily by a conscious action. Refer to chapter 6.4 "Functions of the infra-red radiant warmer" as well as chapter 6.6.3 "Automatic intensity reduction".

For even and dazzle-free illumination of the patient deck two panel lights are integrated in the radiant warmer, their brightness can be adjusted in 5 steps. The colour temperature of 4000 Kelvin is optimal for visual examination of the patient.

** Depending on model and configuration

6. Use

6.1 Indications / Contraindications / Adverse effects

6.1.1 Indications

Prevention and reduction of temperature loss in the patient.

Loss of vital functions as well as ambient influences as a result of which the patient cannot maintain his body temperature.

Hypothermia, e. g. after surgery or transport.

6.1.2 Contraindications

Infra-red radiation results in vascular dilatation. Therefore in case of doubt, medical advice should be obtained, in particular in case of infections, shock or fever, inflammations and injuries, erythema, swellings of skin, bleeding and multiple sclerosis.

6.1.3 Adverse effects

Under certain circumstances radiation intensity above 10 mW/cm² can cause hyperthermia to infants. Therefore the body temperature must be checked frequently or monitored.

Application of infra-red radiant warmers can cause a significant humidity loss in the infant and the demand of oxygen may rise.

Longer application of the radiant warmer will dehydrate the skin and can increase the water loss, in particular in babies and infants.

Sunlight, draught, cold exterior walls and windows in direct ambience to the radiant warmer will impair the patient's temperature balance.

In case of operation above 10 mW/cm² and therapy-related switched off automatic intensity reduction, the patient's skin temperature can increase above 40° C. Therefore the patient's temperature must be checked frequently.

6.2 Warnings for use



The examination and treatment table Easy Care must only be used under medical supervision by qualified persons who are familiar with the use and commonly known risks of infra-red radiant warmers.



The patient must never be left unattended on the patient deck.



The user is recommended to have always one hand at the patient while being on the patient deck. The front end of the patient deck has no boundary and so there is no protection from falling from the patient deck.

6.2.1 General

The examination and treatment table Easy Care is not suitable for the use in explosion-hazardous areas.

The ambient conditions for the examination and treatment table must not be influenced in any case by non-compatible warming or air condition devices. The uncontrolled use may cause hazard to the patient.

The device is not intended for simultaneous use of other warming therapy devices, e.g. heated pads, as well as of phototherapy devices.

The intensity display of the radiant warmer does not give an indication as to the patient's body temperature. Therefore the patient's temperature must be checked at regular intervals or monitored.

Sunlight, draught, cold exterior walls and windows in direct ambience to the radiant warmer will impair the patient's temperature balance.

6.2.2 Adjustment **

During height-adjustment make sure that no device components or additional devices connected to the warming bed can clash with furniture items or other devices in the ambience.

It should be considered that the distance to accessories, which are not fixed at the examination and treatment table Easy Care, will change during height adjustment and connected lines and tubes may break or be pulled off.

Before moving the examination and treatment table Easy Care, it is recommended to adjust it to the lowest position. Otherwise it may topple over when moving over thresholds and obstacles.

6.2.3 Radiant warmer

When using radiant warmers it must be considered that humidity loss in patients can increase unconsciously.

The intensity display refers to the patient deck. The radiation intensity reaching the patient's skin is approx. 4 mW/cm² higher than the displayed value because the distance of the radiant warmer to the patient's surface is approx. 10 cm shorter than to the patient deck.

In the length of time radiation intensity above 10 mW/cm² may bring the patient in a hyperthermic condition and increase the skin temperature above 40 °C

In case of long-term operation at high intensity the surface temperature of the radiant warmer can heat up above 85°C. Therefore during operation it should be avoided to touch the safety guard or the top of the radiant warmer.


-  Take care that mature infants cannot grip into the safety guard and suffer from burnings.

In the length of time at high radiation intensity in particular dark coloured surfaces within the field of radiation can heat up above 43°C

No objects, medical drugs or infusion fluid must be placed above the radiant warmer or within the irradiated area. These might warm up or can even become dangerously hot.

6.2.4 Patient deck

The user is recommend to always have on hand at the patient while being on the patient deck. The front end of the patient deck has no boundary and so there is no protection from falling from the patient deck.

-  The pad does not allow electrostatic discharge, is not autoclavable and not washing-machine proof

Before each operation the patient deck and the pad must be checked for mechanical damages

The pad can only be bent slightly. Sharp instruments like needles, knives or scissors will damage or even destroy the pad.

** Depending on model and configuration

6.2.5 Fire hazard

Never use the examination and treatment table Easy Care together with inflammable anaesthesia gas or other inflammable material. In particular this applies to fluids such as e.g. alcohol, ether etc, which might ignite.

During operation never cover the radiant warmer with tissues or similar as this would impair the convection. There is a danger of overheating and spontaneous combustion.

Take care that during operation there is no inflammable material (e.g. curtains) within 50 cm around the device.


After switch-off the radiant warmer will stay hot for a while. The residual heat is displayed until the radiant warmer has cooled-off completely to avoid fire and accident.

6.3 Start-up

6.3.1 General

Qualified persons only should install and start-up the examination and treatment table Easy Care and instruct the user's personnel.


Before start-up the examination and treatment table Easy Care and the connected accessories must be checked for intactness, correct and secure position as well as for correct function.

 Never use a defective device.

Before operation the examination and treatment table Easy Care must be prepared in cold condition according to chapter 10 "Cleaning and disinfection".

6.3.2 Electrical connection

The data on the name plate must be identical to the data of the available power supply.

 The device must only be connected to a power supply with earth conductor.

The radiant warmer must be connected with the cable (C). Turn off the switch (E) on top of the radiant warmer.



** Depending on model and configuration

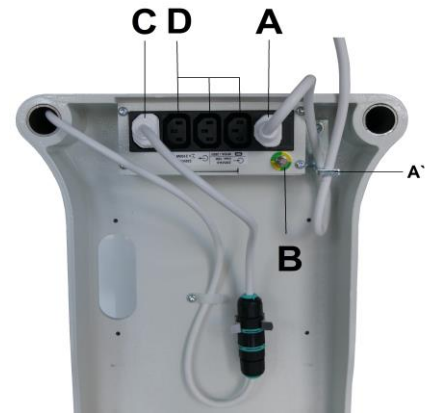
When, according to the room class and application the examination and treatment table shall be connected to a protective equipotential bonding, this cable must be connected to plug (B).

The power cord is passed through the strain relief (A') and connected to the power plug of the examination and treatment table Easy Care.

During installation take care that the device plug is well accessible at all times.

Additional electrical devices can be connected to the take-off sockets by observing the total power input. (Refer to chapter 13.4 "Operating / performance data".

When connecting additional devices to the examination and treatment table Easy Care the "General requirements for the safety of medical electrical systems EN 60601-1-1 + Supplement A1" in their latest version must be observed, in particular the permissible limit values for the total sum of leakage currents.



6.3.3 Function check of the height-adjustment**

For height-adjustable devices (WY3020) it must be observed that the whole body of the device, including the accessories attached to the device, is moved vertically by an electric motor. Before operation make sure that no furniture or devices are placed within the moving range of the height-adjustment**.

For checking the function adjust the patient deck of the examination and treatment table Easy care with the foot pedals to the highest and then to the lowest position.



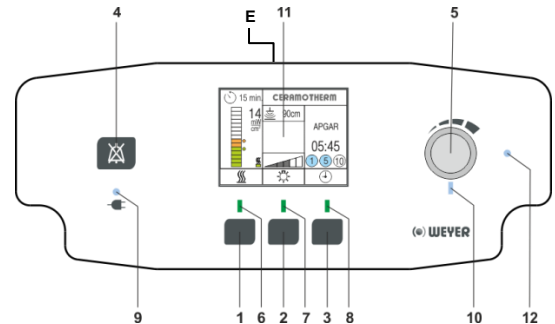
** Depending on model and configuration

6.3.4 Automatic function test radiant warmer

By turning on the switch (E) on top of the radiant warmer, it is connected to the power supply. An automatic function test is performed as described below. During this test those functions are tested which cannot be checked during operation.

When starting the automatic function test the display (11) is coloured successively red, green and blue. Simultaneously all pilot and warning lamps (6-10) light up. Thereafter a long signal tone sounds and the installed software version is displayed

During the automatic function test it must be verified that the display elements (display, status and warning lamps) as well as the audible signal generator operate perfectly.



When the self-test finished successfully, the display extinguishes and the radiant warmer changes over to stand-by mode. This is indicated by intermittent short flashing of the information lamp (10).

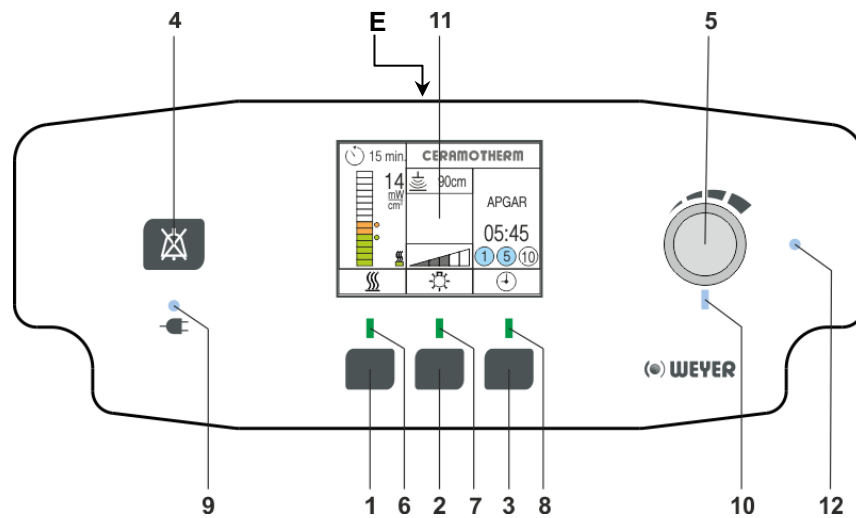
This process is always repeated when the examination and treatment table Easy Care has been disconnected from the mains and put back into operation

If an error is detected by the system, or if the display elements for the audible signal generator are not working properly, the device must be taken out of service and checked by qualified persons (refer to chapter 8 ff, "Safety and alarm functions").

i It is recommendable to perform the automatic function test at least once per week by turning switch (E) off and on or disconnecting the power supply and reconnecting.

Before operating the examination and treatment table it is absolute advisable to acquaint yourself with the warnings and the following control elements and displays as well as their functions.

6.4 Functions of the infra-red radiant warmer



E Central On-Off switch (on top of the radiant warmer)

1 Key heating on/off

2 Key illumination on/off

3 Key Timer Start / Stop

4 Key alarm pause:

a) By pressing the key audible alarms are paused.

b) By pressing the key the audible alarm of the safety function $>10 \text{ mW/cm}^2$ is paused and the radiant warmer proceeds heating at the selected intensity for further 15 minutes.

c) By pressing the key for approx. 3 seconds the safety function $>10 \text{ mW/cm}^2$ is switched-off which is confirmed by two short tones and a yellow warning triangle flashes. The safety function is reactivated by pressing the key again for approx. 3 seconds which is confirmed by one short tone.

5 Rotary push-button

6 Pilot lamp (green) heating

7 Pilot lamp (green) illumination

8 Pilot lamp (green) timer

9 Warning lamp (red) power failure

10 Information lamp (green)

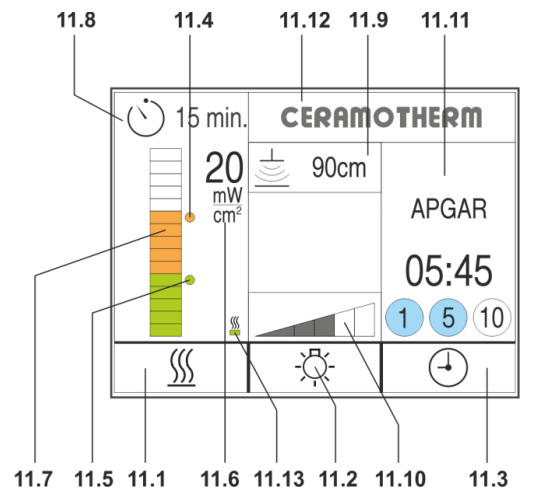
11 Display

12 Ambient light sensor

6.5 Display of the infra-red radiant warmer

- 11.1 Key legend heating.
- 11.2 Key legend heating illumination.
- 11.3 Key legend Timer.
- 11.4 Intensity selection display::
An LED spot indicates the selected intensity respectively heating capacity.
- 11.5 Selection display for the automatic intensity reduction. At an intensity selection $>10 \text{ mW/cm}^2$ a second, green LED spot indicates up to which radiation intensity respectively heating capacity the radiant warmer heats during automatic intensity reduction.
- 11.6 Numeric intensity selection display.
- 11.7 Actual intensity display.
- 11.8 Balance time to automatic intensity reduction (will only be displayed in case of intensity selection $> 10 \text{ mW/cm}^2$).
- 11.9 Idle.
- 11.10 Brightness display of dimmable illumination.
- 11.11 Display of timer.
- 11.12 Message window.
(If there are no messages, the window will show "CERAMOTHERM".)
- 11.13 Display of heating pulse.

Display (11):



The radiant warmer has an ambient light sensor (12). When the ambience darkens, e.g. at night, the brightness of the display is reduced as well. When the ambience brightens up, the brightness of the display is increased.

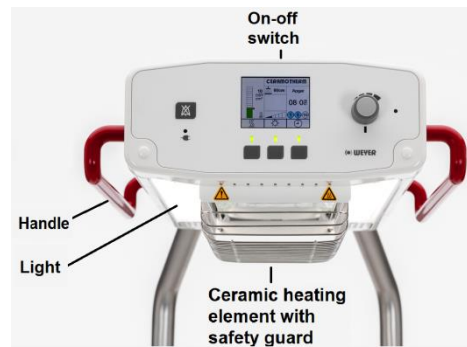


Take care that the ambient light sensor (12) is not covered.

6.6 Infrared radiant warmer

The radiant warmer generates long-wave radiant heat. The radiation intensity effective to the patient is selected at the head end of the device.

For even and dazzle-free illumination of the overall patient deck two dimmable large-area lamps are integrated in the radiant warmer which can be switched on at the head end of the device, if required.



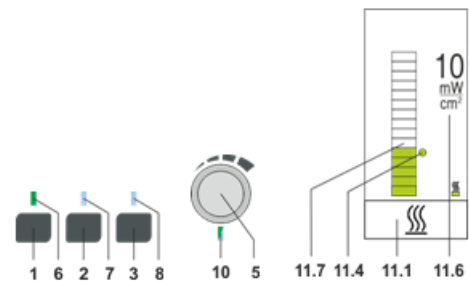
Under unfavourable circumstances parts of the radiant warmer can reach temperature above 85°C. During operation it should be avoided to touch the safety guard and the top of the device. In particular for matrine infants it must be taken care that they do not grip into the safety guard. There is a risk of burning injuries!!

6.6.1 Switching on the heating

If the radiant warmer is in stand-by mode (display is off and the information lamp flashes, this mode must be exited by pressing any key.

Switch on the heating by pressing the left-hand key (1). The green pilot lamp (6) above the key lights up and the radiant warmer starts heating.

The default value for the heating is factory set to 10 mW/cm². When the radiant warmer shall start with a lower intensity in general, this default value can be adjusted as described in chapter 7.2.



The radiation intensity of 10 mW/cm² is usually sufficient to maintain the body temperature of an unclothed healthy infant at an ambient temperature of 24° C.

Now the selected default value for the radiation intensity is indicated by an LED spot (11.4) as well as by a numeric display (11.6).

The information lamp (10) flashes for 15 seconds. During these 15 seconds the radiation intensity can be adjusted with the rotary push-button (5) according to the requirements and confirmed by pressing. If the selection is not changed, the radiant warmer starts operating with the default value.

After short heating-up period the actually emitted radiation intensity is indicated as LED bar graph in the actual intensity display (11.7). E.g. at an intensity selection 10 mW/cm² the bars 4, 6, 8 mW/cm² light-up progressively. A flashing bar indicates that the selected intensity is not yet reached. The selected intensity is reached when the bar on the left hand side of the LED spot lights up.



Depending on the start and ambient conditions the ceramic heating elements require approx. 10 - 15 minutes until the selected intensity of 10 mW/cm² is reached.

If the radiant warmer shall operate generally in manual mode [%] then the mode can be changed as described in chapter 7.2. The sequence of operation described before applies analogously.

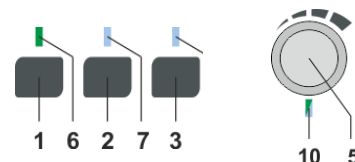
** Depending on model and configuration

6.6.2 Adjustment of radiation intensity

When the radiant warmer has been switched on as described before and the selected intensity was resumed, the desired radiation intensity can be adjusted in the same way.

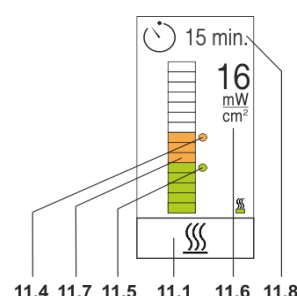
Press key heating on/off (1) in order to enter the intensity adjustment. The green LED (6) and the information lamp (10) flash. During the next 15 seconds the new intensity can be selected with the rotary push-button (5).

The newly selected radiation intensity is indicated by an LED spot (11.4) as well as by a numeric display (11.6). When the selected value shall be resumed, this must be confirmed by pressing the rotary push-button (5).

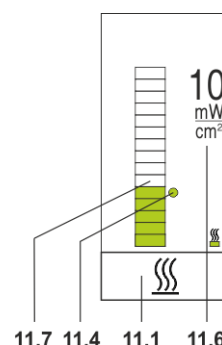


If for 15 seconds after entering the intensity adjustment the selection was not changed and confirmed, the previous selection is maintained and the information lamp (10) stops flashing.


When selecting an intensity above 10 mW/cm² the radiant warmer operates in the extended selection range and the colour of the LED spot (11.4) changes from green to orange. After confirmation by pressing the rotary push-button, a green LED spot (11.5) lights up. The position of this LED spot corresponds to the default value after switching on the heating (factory setting 10 mW/cm²) and indicates the value to which after 15 minutes the intensity will automatically be reduced. Furthermore the balance time to the next automatic reduction is indicated above the selected and actual intensity display (11.8).



After short heating-up period the actually emitted radiation intensity is indicated as LED bar graph in the actual intensity display (6.11.7). At an intensity selection of 10 mW/cm² the bars 2, 4, 6, 8, 10 mW/cm² light-up progressively. A flashing bar indicates that this intensity step will be reached next. The selected intensity is reached when the bar is at the same level as the LED spot and lights up.





The intensity selection mainly depends on the infant's weight, age, skin colour, maturity, the anamnesis as well as the ambient conditions.

-  The smaller and immature the infant, the higher is the heat demand.
- The lower the ambient temperature, the higher is the heat demand.

If there is no experience regarding the intensity selection, for an unclothed infant 10 mW/cm² should be selected initially. The body core temperature must be checked in regular intervals. If necessary, the intensity selection must be adapted according to the measured patient temperature.

The intensity selection is ideal when neutral thermal conditions are available, i.e. when the patient's body core temperature in relaxed condition is between 36.7 and 37.3°C.

-  The intensity display refers to the patient deck. The radiation intensity reaching the patient's skin is approx. 4 mW/cm² higher than the displayed value because the distance of the radiant warmer to the patient's surface is approx. 10 cm shorter than to the patient deck.


-  The temperature display does not give any indication as to the patient's body temperature. Therefore the patient's temperature must be checked at regular intervals or monitored.

The maximum radiation intensity that can be reached in the examination and treatment table is 20 mW/cm².

** Depending on model and configuration

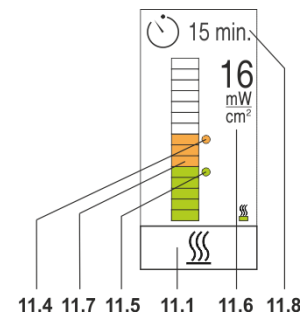
6.6.3 Automatic intensity reduction

Under certain circumstances at radiation intensity above 10 mW/cm² infants can suffer from hyperthermia. Therefore the radiant warmer provides an automatic intensity reduction which reduces the intensity to the a safe value (factory setting 10 mW/cm²) after 15 minutes.


 The factory set default value 10 mW/cm², to which the intensity is automatically reduced after 15 minutes, can be changed to 8; 6; 4 or 2 mW/cm², as described in chapter 7.2.



When an intensity above 10 mW/cm² was selected and confirmed, it is in the extended selection range and the colour of the LED spot (11.4) is changed from green to orange. After confirming a selection within the extended range a second, green LED spot (11.5) lights up. The position of this LED spot corresponds to the default value after switching on the heating (factory setting 10 mW/cm²) and indicates the value to which the intensity is automatically reduced after 15 minutes.

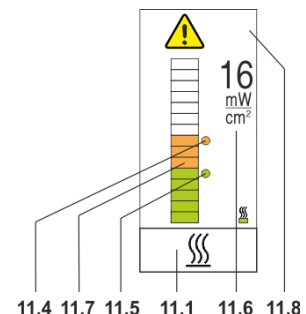
Furthermore the balance time to the next automatic reduction is indicated above the selected and actual intensity display (11.8).






When the indicated balance time has elapsed, the intensity is automatically reduced to the intensity indicated by the green LED spot (11.5). This is indicated by alternating flashing of the orange LED spot (11.4) for the intensity selection and the green LED spot (11.5) for the reduced value and a yellow flashing background of the balance time display (11.8) and signaled by an audio alarm of medium priority.


Now check the patient's temperature and reduce the intensity selection if necessary. If the treatment in the increased intensity range shall be continued, this must be confirmed by keypress  (4). The audio alarm is paused and the radiant warmer will supply the selected intensity for further 15 minutes. The orange LED spot and the green LED spot as well as the yellow background of the balance time display stop flashing and the balance time starts again at 15 minutes.

When the patient shall stay under the radiant warmer for longer time at an intensity above 10 mW/cm² a surveillance of his body temperature is recommendable. When a continuous surveillance is guaranteed, the safety function >10 mW/cm² can be switched-off temporarily by a conscious action. For this purpose press key  (4) for approx. 3 seconds until two short tones sound and the balance time display (11.8) is replaced by a yellow symbol .



 The automatic intensity reduction must never be deactivated if the temperature surveillance of the patient is not secured.

When the safety function >10 mW/cm² shall be reactivated, press key  (4) again for approx. 3 seconds until one short tone sounds. The yellow symbol  is replaced by the balance time display again and 15 minutes to the next reduction start to elapse.

 When the heating is switched-on anew, or after an intensity of 10 mW/cm² or lower was selected, in principle the safety function is activated.

6.6.4 Switch off the heating

Switch-off the heating by pressing key (1) for approx. 2 seconds and the LED spot for the intensity selection (11.4) extinguishes. As an alternative it is possible to reduce the radiation intensity to 0 mW/cm² and confirm.

The actual intensity display remains active until the residual intensity has fallen below 2 W/cm².

When all functions of the radiant warmer are switched off and the residual intensity is below 2 mW/cm², the radiant warmer will automatically switch off the display after 2 minutes and change to stand-by mode. The readiness of function is shown by repeated short lighting of the information lamp (10). When pressing either key the stand-by mode is exited and the display (11) is switched on.

6.7 Illumination

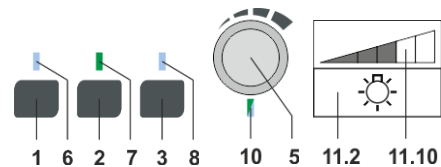
For even and dazzle-free illumination of the overall patient deck two dimmable panel lights are integrated in the radiant warmer which can be switched on at the head end of the radiant warmer, if required. The brightness can be adjusted in 5 steps according to the requirements.

The colour temperature of the light sources is 4000 Kelvin and is optimal for a neutral appearance during visual examination of the patient.

6.7.1 Switch on the illumination

If the radiant warmer is in stand-by mode (display is off and the information lamp flashes), exit this mode by pressing any key.

Switch on the illumination by pressing the middle key (2). The green pilot lamp (7) above the key lights up and the two panels lights illuminate.



The information lamp (10) flashes for 15 seconds. During these 15 seconds the brightness can be adjusted with the the rotary push-button (5) and confirmed by pressing. During the adjustment the brightness changes and the actual brightness level is indicated in the brightness display (11.10).

When no adjustment and confirmation is made within 15 seconds, the default value will be resumed.

6.7.2 Adjustment of brightness

For changing the brightness during operation, the brightness adjustment must be activated by pressing the middle key (2). The information lamp (10) flashes for 15 seconds. During these 15 seconds the brightness can be adjusted with the the rotary push-button (5) and confirmed by pressing. During the adjustment the brightness changes and the actual brightness level is indicated in the brightness display (11.10).

6.7.3 Switch off the illumination

Switch-off the illumination by longer pressing the middle key (2).

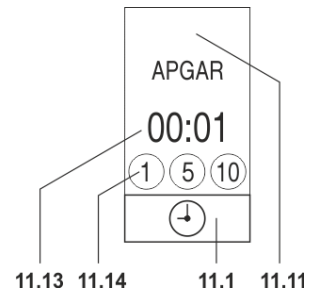
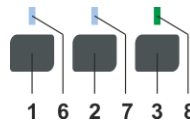
When all functions of the radiant warmer are switched off and the residual intensity is below 2 mW/cm², the radiant warmer will automatically switch off the display after 2 minutes and change to stand-by mode. The readiness of function is shown by repeated short lighting of the information lamp (10). When pressing either key the stand-by mode is exited and the display is switched on.

6.8 Apgar-Timer

Factory provided the radiant warmer has an Apgar timer which is used as stop watch for processing the Apgar test immediately after birth. During the Apgar test after 1, 5 and 10 minutes the heart rate, the respiratory effort, the release of reflexes, the muscle tone and the skin colour are ascertained, so evaluating the infant's state. The Apgar timer indicates the time elapsed after birth and gives an audible signal for the next check point.

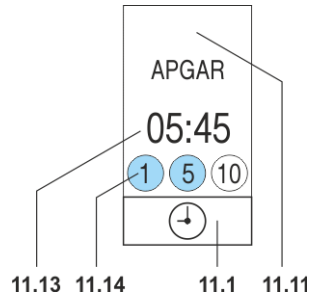
6.8.1 Start of Apgar-Timer

By pressing the right-hand key (3) the time display of the Apgar timer (11.13) begins to count upwards in steps of seconds. The green pilot lamp (8) above the key lights up.



After 1, 5 and 10 minutes a signal sounds consisting of 4 short tones and the background of the corresponding Apgar check point (11.14) is coloured light blue.

After 60 minutes the timer stops automatically and both the time display (11.13) and the pilot lamp (8) flash.



6.8.2 Stop of Apgar timer

By pressing the right-hand key (3), the running Apgar timer is stopped and both the elapsed time display (11.13) and the pilot lamp (8) flash.



When the Apgar timer was stopped unintentionally, the operation can be continued by pressing key (3) again. While the timer is stopped, the time is still running in the background. So when continuing the operation the actually elapsed time since the start is displayed again.

After 60 minutes the timer stops automatically and both the time display (11.13) and the pilot lamp (8) flash.

6.8.3 Reset of Apgar timer

When the Apgar timer was stopped, it can be reset by pressing the right-hand key (3) for approx. 3 seconds.

The blue background of the Apgar checkpoints extinguishes, the time display returns to „00:00“ and stops flashing. The green pilot lamp (8) extinguishes as well.

7. User settings and extended functions

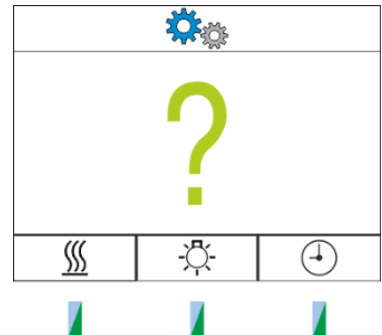
7.1 User settings

With the "user settings" the radiant warmer can be adapted to specific situations and user's requirements.

To make user settings, the device must not expect an input; i.e. the information lamp (10) must not flash. By longer pressing (approx. 3 seconds) the rotary push-button (5) the menu for the user settings is opened. The display shows a big green question mark and the pilot lamps (6) (7) (8) flash.

Select the function that shall be adjusted by pressing keys 1 to 3.


Exit of the user settings is possible at all times by pressing button alarm pause (4).



Only persons who are familiar with the use of the device should change the settings.

7.2 Heating

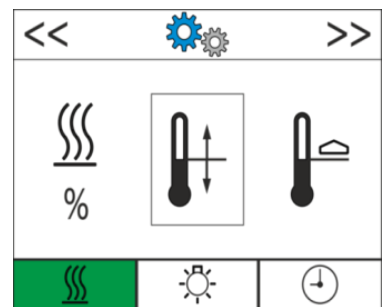
By pressing the left-hand key (1) the user settings for the heating appear.

The background of the key legend  for the heating (11.1) is coloured green.

When turning the rotary push-button (5) the various selections are shown in a frame in the centre of the display.

The selection is resumed by pushing the rotary push-button (5).

The following adjustments can be made:



Adjustment of default value

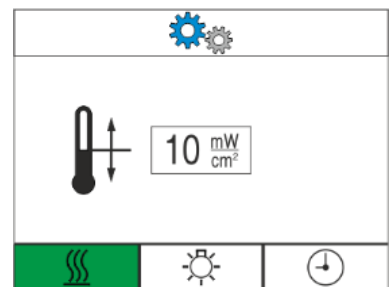
The default value for the heating can be adjusted by turning the rotary push-button (5) and resumed by pressing.

When switching on the heating the next time this value will be suggested as default value.

Furthermore during automatic intensity reduction the intensity will be reduced to that value.

The adjustment range will be 2 to 10 mW/cm², respectively 10 to 40%.

After confirmation the display will return to the main menu.



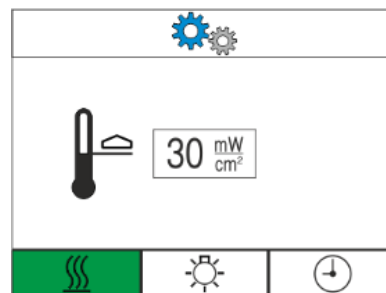


Adjustment of the maximum value

The maximum selection range of the heating can be limited by turning the rotary push-button (5). Pushing the rotary push-button saves the adjusted maximum value.

The adjustment range is 10 to 30 mW/cm² respectively 40 to 100%.

After confirmation the display will return to the main menu.



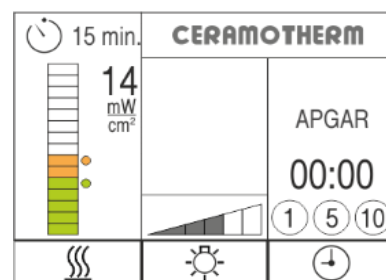
Change over to manual operating mode [mW/cm²]

By selecting and confirming this menu item with the rotary push-button (5) the operating mode is changed to manual mode [mW/cm²].

After selecting this mode the setting and display are indicated in mW/cm², which corresponds to the factory setting.

Refer to chapter 6.6 ff - Radiant warmer.

After confirmation the display will return to the main menu.



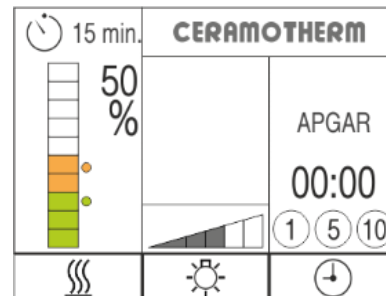
Change over to manual operating mode [%]

By selecting and confirming this menu item with the rotary push-button (5) the operating mode is changed to manual mode [%].

After selecting this mode, the setting and display are indicated in [%] of the maximum possible heating capacity, in steps of 10%. As the factory setting [mW/cm²] also this mode provides a safe and an extended range of the heating capacity.

Operation is the same as described in chapter 6.6 ff – Radiant warmer, however, the selection and display will be in [%], instead of [mW/cm²].

After confirmation the display will return to the main menu.



Reset of the heating adjustment to factory settings

After confirmation the display will return to the main menu and the heating adjustments are reset to factory settings.

- Manual operating mode [mW/cm²].
- Default value 10 mW/cm².
- Maximum value 30 mW/cm².

7.3 Illumination



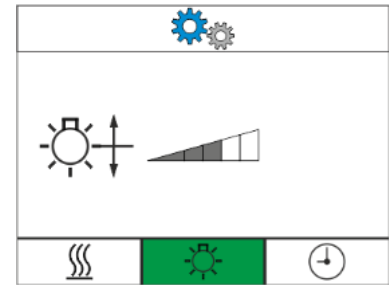
Selection of the default value

Pressing the middle key (2) opens the adjustment of the default value for the illumination. The background of the key legend for the illumination (11.2) is coloured green.

When turning the rotary push-button (5) the default value for the illumination can be adjusted and resumed by pressing.

When switching on the illumination the next time this value will be suggested as default value.

After confirmation the display will return to the main menu.



7.4 Timer

Pressing the right-hand key (3) opens the selection menu for the timer. The background of the key legend for the timer (11.3) is coloured green.

When turning the rotary push-button (5) the various selections are shown in a frame in the centre of the display.

The selection is resumed by pushing the rotary push-button (5).

The following adjustments can be made:



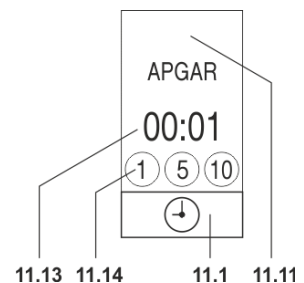
Apgar Apgar-Timer

By selecting and confirming this menu item with the rotary push-button (5) the timer mode will change to timer mode **Apgar** which corresponds to the factory setting.


The operation of the Apgar timer is described in chapter 6.8 ff.

After confirmation the display will return to the main menu.


The timer display 11.11 will show **Apgar**.

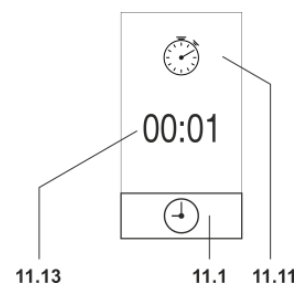


Stop watch

By selecting and confirming this menu item the timer mode will change to stop watch .

After confirmation the display will return to the main menu.

The timer display (11.11) will show the symbol .



Operation of the stop watch

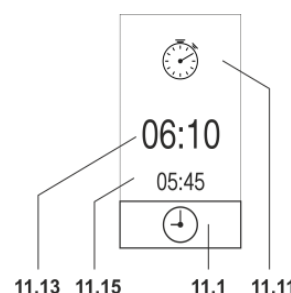
By pressing the right-hand key (3), the time display (11.13) of the stop watch begins to count upwards in steps of seconds. The green pilot lamp (8) above the key lights up.

By pressing the right-hand key (3) again, the time is stopped. The stopped time and the pilot lamp (8) flash.

When the stop watch shall continue counting, key (3) must be pressed again. The time display (11.13) and the pilot lamp (8) stop flashing and the timer display (11.13) runs upwards with the time counted further in the background. The lastly stopped time is shown as split time (11.15) below the time display (11.13). This procedure can be repeated as often as required.

In order to reset the stop watch, press key (3) for approx. 3 seconds. Then the pilot lamp (8) extinguishes and the time display (11.13) is reset to "00:00".

After 60 minutes the stop watch stops automatically.

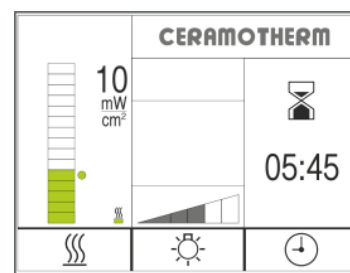


Countdown-Timer

By selecting and conforming this menu item the timer mode will change to countdown timer.

After confirmation the display will return to the main menu.

The timer display (11.11) will show the symbol .



Operation of the countdown timer

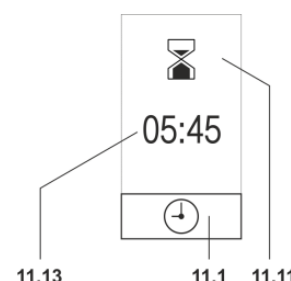
By pressing the right-hand key (3), the time display (11.13) of the countdown timer begins to count downwards in steps of seconds, starting at the selected countdown time. The green pilot lamp (8) above the key lights up.

When the countdown time has elapsed, both the pilot lamp (8) and the elapsed time display (11.3) flash. At the same time a signal sounds once, consisting of 5 tones.

The countdown can be stopped by pressing the right-hand key (3) and continued with the indicated balance time by pressing the right-hand key (3) again. During the interruption the time display (11.13) and the pilot lamp (8) flash.

In order to reset the elapsed or stopped countdown time, press key (3) for approx. 3 seconds. Then the pilot lamp (8) extinguishes and the time display (11.13) is reset to the selected countdown time.

The countdown time has an adjustment range of 10 seconds to 60 minutes. For adjusting the countdown time, first of all take care that the countdown time has been reset, so the pilot lamp (8) should not flash or light. When pressing key (3) for approx. 3 seconds the minutes of the time display begin to flash and can then be adjusted with the rotary push-button (5) and confirmed by pressing. Thereafter the seconds of the time display will flash and can be adjusted and confirmed in the same way.



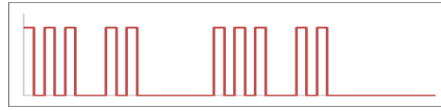
8. Safety and alarm functions

8.1 Audible alarms and signals

Power failure alarm



High priority alarm



Medium priority alarm



Low priority alarm



Confirmation of selection



Deactivation of automatic intensity reduction



Reactivation of automatic intensity reduction



Signal tone Apgar timer



Signal tone countdown timer



8.2 Messages - Errors - Causes - Measures

High priority alarms:			
Message	Signal tone	Cause / Effect	Measure
ERROR 001	High priority alarm	DMA error No new data were received	Switch-off the heating. Make sure that the patient is cared for in another way. Put the device out of operation and have it checked.
Medium priority alarms:			
ERROR 006	Medium priority alarm	EEPROM error Comparison of the check sum of EEPROM data failed	Switch-off the heating. Make sure that the patient is cared for in another way. Put the device out of operation and have it checked.
ERROR 007	Medium priority alarm	Watchdog error The test of the external Watchdog module failed.	Switch-off the heating. Make sure that the patient is cared for in another way. Put the device out of operation and have it checked
ERROR 008	Medium priority alarm	IIC-Bus error The communication on the IIC-Bus is disturbed.	Switch-off the heating. Make sure that the patient is cared for in another way. Put the device out of operation and have it checked.


** Depending on model and configuration

Instruction for use Examination and treatment table Easy Care

Message	Signal tone	Cause / Effect	Measure
ERROR 009	Medium priority alarm	Relay & Triac error The safety relay has not cut-off securely in switched-off condition or in the case of fault and heating is triggered by a Triac or a control defect.	Switch-off the heating and disconnect the device from the power supply immediately. Make sure that the patient is cared for in another way. Put the device out of operation and have it checked.
ERROR 010	Medium priority alarm	Minimum performance error (Deviation between actual intensity and selection). The current flow through the heating elements is not sufficient. Cause: <ul style="list-style-type: none"> - Power voltage too low. - Heating element defective. - False configuration of device. 	Switch-off the heating. Make sure that the patient is cared for in another way. Put the device out of operation and have it checked.
ERROR 011	Medium priority alarm	Maximum performance error (Deviation between actual intensity and selection). Excess current flow through the heating elements. Cause: <ul style="list-style-type: none"> - Power voltage too high. - Heating element defective. - False configuration of device. 	Switch-off the heating. Make sure that the patient is cared for in another way. Put the device out of operation and have it checked.
ERROR 012	Medium priority alarm	Relay error (ON) The safety relay does not switch on, although heating was switched on.	Switch-off the heating. Make sure that the patient is cared for in another way. Put the device out of operation and have it checked.
ERROR 013	Medium priority alarm	Relay error (OFF) The safety relay does not switch off, although heating was switched off.	Switch-off the heating and disconnect the device from the power supply. Make sure that the patient is cared for in another way. Put the device out of operation and have it checked.
ERROR 014	Medium priority alarm	No capacity No current flow through the heating elements	Switch-off the heating. Make sure that the patient is cared for in another way. Put the device out of operation and have it checked.
ERROR 015	Medium priority alarm	Current transducer error The current transducer was recognized to be defective.	Switch-off the heating. Make sure that the patient is cared for in another way. Put the device out of operation and have it checked.
ERROR 016	Medium priority alarm	Triac error Caused by a defect the heating is permanently triggered.	Switch-off the heating. Make sure that the patient is cared for in another way. Put the device out of operation and have it checked.

** Depending on model and configuration

Instruction for use Examination and treatment table Easy Care

Meldung	Signalton	Ursache / Wirkung	Maßnahme
ERROR 017	Medium priority alarm	Time limit error The calculated heating up respectively cooling off period has exceeded the limit.	Switch-off the heating. Make sure that the patient is cared for in another way. Put the device out of operation and have it checked.
ERROR 018	Medium priority alarm	Key pad error At least one key is being pressed for more than 30 seconds.	Interrupt pressing of the key. As soon as the error was removed and reset, the message will disappear. When the error persists, switch-off the heating. Make sure that the patient is cared for in another way. Put the device out of operation and have it checked.
ERROR 019	Medium priority alarm	Rotary push-button error The rotary push-button is being pressed for more than 30 seconds	Interrupt pressing of the rotary push-button. As soon as the error was removed and reset, the message will disappear. When the error persists, switch-off the heating. Make sure that the patient is cared for in another way. Put the device out of operation and have it checked.
ERROR 020	Medium priority alarm	Real time error The internal real time clock is defective or the communication is disturbed	Switch-off the heating. Make sure that the patient is cared for in another way. Put the device out of operation and have it checked.
Low priority alarms:			
	Low priority alarm	Alarm buffer defective The alarm buffer is defective.	Have the alarm buffer for the power failure alarm replaced by a qualified person. The message will disappear as soon as the error was removed.
ERROR 027	No alarm	Zero point error Because of too low power supply or a device defect the zero point of the sinusoidal wave is not recognized. Possibly the zero point is not triggered which can cause errors in the power supply.	The message will disappear automatically as soon as the cause was removed. When the error persists, the power supply must be checked. If necessary, put the device out of operation and have it checked.
ERROR 028	No alarm	Ambient light sensor error The ambient light sensor is defective. Display changes to full brightness.	The device must be checked. The message will disappear automatically as soon as the cause was removed.

** Depending on model and configuration

9. Device models and accessories:

Order No.	Description base devices
WY3019	Examination and treatment table Easy Care <i>Fixed-height trolley, patient deck with 3 raised sides, drawer and radiant warmer CERAMOTHERM® WY3100</i>
WY3020	Examination and treatment table Easy Care <i>Height-adjustable trolley, patient deck with 3 raised sides, drawer and radiant warmer CERAMOTHERM® WY3100</i>

9.1 Optional upgrade items / accessories

Order No.	Description accessories
WY3035	Shelf fixed at the pillar of the examination and treatment table Easy Care (without drawer max. 4 pcs. possible. with drawer max. 2 pcs. possible).
WY3036	Drawer, fixed at the shelf WY3035, volume 400 x 150 x 160 mm, load 6 kg, arc-shaped sliding out to both sides (max. 2 pcs. possible)
WY3032	Additional pair of foot pedals for height adjustment.
WY3060	Instrument and monitor shelf 590 x 320 mm, fixed at the tube assembly Ø 27 mm.
WY3061	Instrument and monitor shelf 240 x 300 mm, fixed at the tube assembly Ø 27 mm, with lateral instrument rail 25 x 10 mm.
WY3064	Instrument rail 25 x 10 mm, 460 mm length, fixed at the tube assembly Ø 27 mm.
WY2076	Infusion pole, height-adjustable, fixed at the tube assembly Ø 27 mm.

Order No.	Temperature monitoring
WY1004	APGAR DIGITEMP Temperature monitor with integrated Apgar timer, fixed at the tube Ø 40 mm. Skin temperature mode with high and low temperature alarm. Alarm can be reset for 15 minutes and switched-off temporarily if necessary. Incl. reusable skin sensor.
WY1008	Kit for fixing Apgar Digitemp to the tube Ø 27 mm

Order No..	Oxygen supply / Suction ¹
WY1480	REANIMAT® O2-Blend Precision oxygen/AIR-blender, oxygen concentration adjustable 21 to 100 %, with on-off switch (selected concentration is saved, so avoiding excessive gas consumption), application via precision oxygen/AIR flow meter, flow adjustable 0 to 6 l/min., gas failure alarm. Connection to oxygen and compressed air supply (central pipeline or cylinders), operating pressure 3 to 5 bar, oxygen and AIR NIST fittings. Incl. clamp for instrument rail 25 x 10 mm.
WY1485	2nd take-off 0 to 6 l/min. for REANIMAT® O2-Blend
WY1490	Suction unit for compressed air operation for REANIMAT® O2-Blend. Vacuum can be adjusted from 0 to 0.9 bar, with on-off switch (selected vacuum is saved, so avoiding excessive gas consumption), suction capacity 27 l/min., incl. plastic suction bottle 250 ml, suction lid with float assembly, suction tube.
WY1620	Suction unit for compressed air operation, vacuum can be adjusted from 0 to 0.9 bar, with on-off switch (selected vacuum is saved, so avoiding excessive gas consumption), suction capacity 27 l/min., incl. plastic suction bottle 250 ml, suction lid with float assembly, suction tube with fingertip and clamp for instrument rail 25 x 10 mm.
WY1604	Precision oxygen flowmeter for connection to central pipeline, pressure compensated, flow adjustable 0 to 15 l/min., incl. pressure hose and clamp for instrument rail 25 x 10 mm.
WY1621	Bubble humidifier, connection to WY1604/WY1480 to WY1487



Picture with full options

¹ Pressure hoses are not included in the standard configuration. Please order separately.

Order No.	Gas supply
WY1421	Oxygen distributor, NIST input, 3 take-off sockets fixed at the instrument rail 25 x 10 m
WY1425	Air distributor, NIST input, 3 take-off sockets fixed at the instrument rail 25 x 10 m
WY1405	Oxygen pressure hose 1,5 m, white ISO 32, NIST fitting, plug DIN 13260
WY1406	O-2 pressure hose 1.5 m, neutral black, NIST fitting, plug DIN 13260
WY1407	Air pressure hose 1.5 m, black-white ISO 32, NIST fitting, plug DIN 13260
WY1408	Air pressure hose 1.5 m, neutral black, NIST fitting, plug DIN 13260



The "General requirements for the safety of medical electrical systems EN 60601-1-1 + Supplement A1" must be observed. Furthermore the maximum permissible power consumption for additional devices is specified at the take-off sockets and must be considered. The limit values of the total leakage currents must be maintained.



It should also be considered that the distance to accessories, which are not fixed at the examination and treatment table, will change and therefore connected lines and tubes might be pulled off.

10. Cleaning and disinfection

Cleaning and disinfection must be carried out after every change of patient, but at least once a week.

10.1 Cleansing agents and disinfectants

Only mild agents must be used, scouring agents are not suitable.

Surface disinfectants should be used exclusively. Disinfectant sprays may only be applied to smooth closed surfaces and the castors of the examination and treatment table Easy Care, but in no case close to electrical components and the radiant warmer.

Because of the good material compatibility disinfectants based on aldehydes and quaternary ammonium compounds are suitable in particular.

Tincture of iodine 5 %, carbolic acid, spirit, ether, acetone and other alcoholic agents as well as disinfectants based on halogen-splitting compounds, strong organic acids and oxygen-splitting compounds are not suitable.

Externally the treatment and examination table Easy Care is made of the following main material:

Trolley	PU coated steel PU coated aluminium
Patient deck	PMMA
Pad	Polyester / PU
Shelf/drawer	Styrene-Butadiene
Radiant warmer	Styrene-Butadiene Polycarbonate PU coated steel PU coated aluminium





We recommend the use of disinfectants according to the current list of the German Society for Hygiene and Microbiology (DGHM) or a comparable national institution.

The following surface disinfectants can be recommended:

Incidin® plus	<i>Ecolab Deutschland GmbH, Monheim/Germany</i>
Antifect® extra	<i>Schülke & Mayr GmbH, Norderstedt/Germany</i>
Kohrsolin® extra	<i>Paul Hartman AG, Heidenheim/Germany</i>

There is no obligation to use the disinfectants recommended above. When choosing other disinfectants the material compatibility and the field of application must be compared with the indication given by the manufacturer of the disinfectant. The user respectively the manufacturer of the disinfectant is responsible for the application of other disinfectants than recommended above, when the disinfectant has been approved for the used material or specifically for the product. Weyer GmbH is not involved in the approval process of the manufacturers of disinfectants; therefore Weyer GmbH cannot make any statement as to the correctness of the declarations given by the manufacturer of the disinfectant.

When alkaline or chlorine splitting disinfectants are used there is a danger of corrosion.

	<i>Never use inflammable disinfectants !</i>
	<i>The examination and treatment table Easy Care is not suitable for cleaning and disinfection machines or plants.</i>
	<i>When using disinfectant concentrates please observe the correct mixing ratio. Excessively high concentration can lead to material stress or damage.</i>
	<i>The exposure time according to the disinfectant manufacturer's instructions must be observed.</i>

10.2 Dismantling, cleaning and disinfection

After use switch-off the radiant warmer and wait until the residual heat display has extinguished. Disconnect the power plug.

- Remove nappies and tissues.
- Disconnect suction assemblies and patient circuits (if any).
- Empty liquid containers (if any).

Pad:

- Remove the pad from the bed.
- Clean and wipe disinfect pad surface.

Patient deck:





- Remove visible contamination with a soft cloth or disposable cloth soaked in cleansing agent,
- Wipe disinfect the surface and allow the disinfectant to take effect in accordance with the disinfectant manufacturer's instructions. Then wipe the surfaces with a soft, slightly damp cloth and finally wipe it dry.

Castors:

- The castors must be cleaned very carefully and sprayed with a disinfectant.

Radiant warmer:

- Remove visible contamination with a disposable cloth soaked cleaning agent but not drip wet.
- Then disinfect the surfaces by wiping. Take care that the cloth is soaked in disinfectant but not drip wet. After the exposure time indicated by the manufacturer of the disinfectant wipe the surface with a damp cloth and then wipe them dry.

	<i>No liquid must enter into the radiant warmer</i>
	<i>Do <u>not</u> switch on the radiant warmer to accelerate the drying process.</i>
	<i>Never threat the ceramic heating elements with cleansing agents or disinfectants.</i>
	<i>The examination and treatment table Easy Care is not suitable for cleaning and disinfection machines or plants.</i>

Remaining device:

- Clean the remaining surfaces of the examination and treatment table Easy Care with a cloth soaked in cleansing agent. Then wipe them dry.
- After Cleaning and disinfection let the examination and treatment table Easy Care dry for at least 1 hour. Do not switch on the radiant warmer in order to accelerate the drying process.
- Disinfection by ultraviolet light is not recommendable as acrylic and plastic components may be damaged.



After cleaning and disinfection reassemble all components of the examination and treatment table Easy Care check them for completeness and correct function.

11. Waste disposal



At the end of its useful life the examination and treatment table Easy Care shall be disposed of according to the Directive 202/96/EC as well as to the national regulations of waste management or it shall be given to a waste management company for professional disposal. Information on professional disposal of domestic, hazardous and electronic waste is available from the office for environment and the regulatory authority

Pad :

Domestic waste.

Illuminants:

Illuminants included in the scope of the device can be returned to us for disposal free of charge. They can also be given to one of the official waste collection.



Do not dispose illuminants in domestic waste!

12. Maintenance

Nomenclature

Qualified person	= Skilled worker, engineer, bio-medical engineer, with corresponding qualification.
Authorized qualified person	= Qualified person, who has acquainted special knowledge of a certain product.
Inspection	= Ascertainment of the actual state in terms of operational and functional safety of the medical device..
Preventive maintenance	= Measures to maintain the nominal state.
Repair	= Measures to restore the nominal state.
Maintenance	= Inspection, preventive maintenance, repair.

Inspection

In order to ascertain the safe operation of the examination and treatment table Easy Care we recommend inspections by qualified persons at regular intervals which include the following checks.

- *Verification that the actual use is in conformance with the intended use.*
- *General condition of the device.*
- *Function and secure locking of adjustment facilities (double castors, height-adjustment**)*
- *Functions of the device and of the safety provisions.*
- *Measurement of the electrical safety according to the national standards and limit values actually in force.*

Preventive Maintenance

In order to maintain the nominal state of the examination and treatment table Easy Care we recommend an annual preventive maintenance by authorized qualified persons. In addition to the inspection the preventive maintenance includes the following checks:

- *Check of: interior wiring, connections, electrical components, heating element.*
- *Check of all functions and safety-relevant parameters according to EN 60601-1, in particular EN 60601-2-21.*

Weyer GmbH is only responsible for the safety features of the examination and treatment table Easy Care when preventive maintenance and repairs are carried out by authorized qualified persons, by observing our instructions and by using original spare parts.

The microprocessor control system recognizes faults and cuts-off the radiant warmer in case of unsafe conditions. The safety and alarm functions are listed in Chapter 8.

Devices respectively device components must be cleaned and disinfected prior to each maintenance measure as well as when they are sent to our factory for repair.

12.1 Spare and wear parts

Order No..	Description
WY0498	Pad 460 x 720 x 30 mm with upholstery for side walls, for Easy Care
WY1036	Power cord 5 m length.
M1041	Safety guard for Ceramotherm 3100
EH0230	LED-band- 5,5 W-175 mA - 850 lm-4100K for Ceramotherm 3100
M3006	Lamp cover for Ceramotherm 3100

** Depending on model and configuration

13. Technical data

13.1 Transport and storage

For transport and storage the following conditions should be observed:




Temperature:	0 – 70°C
Relative humidity:	15 to 90 % (no condensation)
Atmospheric pressure:	210 to 1100 hPa

Before moving the examination and treatment table Easy Care, it is recommended to adjust it to the lowest position. Otherwise it may topple over when moving over thresholds and obstacles. Strong vibrations should be avoided, e.g. moving on cobble stone pavement or similar.

13.2 Operating environment

Temperature:	18 to 30°C
Relative air humidity:	15 to 90 % (no condensation)
Atmospheric pressure:	860 to 1100 hPa

Please also observe chapter 4 "Requirements of the location"

	<i>The examination and treatment table Easy Care is not suitable for the use in explosion-hazardous areas</i>
	<i>To avoid the risk of an electrical stroke this device must only be connected to a power supply with earth conductor.</i>
	<i>The examination and treatment table Easy Care must not be operated close to strong or high-frequent electro-magnetic radiation sources such as HF surgery devices, MRT or similar. Under unfavourable conditions this could cause faults.</i>

13.3 Standard configuration, dimensions and weight



Castors	4 smooth double castors Ø 125 mm, anti-static (3 x with total lock, 1 x with steering lock). 4 bumpers Ø 70 mm.	
Patient deck	460 mm x 720 mm	
Pad	Polyester/ PU-Pad 460 mm x 720 mm x 30 mm with side upholstery	
Tube assembly / Center distance	Ø 27 mm / 260 mm	
Radiant warmer	Ceramotherm WY3100	
Drawer	Volume 400 x 150 x 160 mm, Load 6 kg Arc-shaped sliding out to both sides	
	WY3019	WY3020
Weight	56 kg	60,5 kg
Height-adjustment (Soft lift pillar)	No	Yes
Take-off sockets for accessories	3	3

** Depending on model and configuration

13.4 Operating / Performance data

Allgemein

Operating voltage / power supply	230 V~ / 50/60 Hz	
Power consumption	WY3019	WY3020
	690 W / 3 A	810 W / 3.5 A
Max power input	2300 W / 10 A	

Radiant warmer

Distance to the patient deck	800 mm
Heating element	Ceramic, 600 Watt
Wave length spectrum	1500 to 6800 nm
Intensity selection	2 to 20 mW/cm ²
Steps of intensity selection	2 mW/cm ² respectively 10%
Resolution of the displays	2 mW/cm ² respectively 10%
Intensity selection display	LED-spot 2 to 30 mW/cm ² respectively 10 to 100%
Actual intensity display	LED bar 2 to 30 mW/cm ² respectively 10 to 100%
Residual heat display	Cooling off to 2 mW/cm ² respectively 10%, then automatic switch-off
Safety function (alarm / automatic intensity reduction)	After 15 minutes above 10 mW/cm ²
Heating-up period from 24°C ambient temperature to max. intensity selection	Approx. 15 minutes
Illumination	2 LED stripes 5 W each
Illumination intensity	2 x 850 lm
Adjustable	5 steps
Colour temperature	4000 Kelvin


13.5 Classifikation

	WY3019	WY3020
Protection class	I	I
Type applied part patient deck	B	B
Degree of protection against water	IPX0	IPX0
Classification according to MDD 93/42 EEC, (Appendix IX, Rule 9)	II a	II a

13.6 Standards

Amongst others the device complies with:	EN 60601-1:2006 +AC:2010 + A1:2013
	EN 60601-1-2:2015
	EN 60601-2-21:2009 + A11:2011

13.7 Certification

Certification:	MDD 93/42 EEC, Appendix II, excluding Section 4. EN ISO 13485:2012/AC:2012
Certified body:	TÜV- Rheinland LGA Products GmbH 

** Depending on model and configuration

13.8 Remarks to electromagnetic compatibility (EMC)

The examination and treatment table Easy Care complies with the current requirement for the electromagnetic compatibility EN 60601-1-2:2015. The device is intended for the use in medical areas with the exception of areas subject to high intensity electromagnetic disturbance, as it could be the case close to high frequency surgery devices or magnetic resonance tomography (MRT).

When using the examination and treatment table Easy Care in domestic environment, the device might not provide the necessary protection of communication services. If necessary, the user must take corrective measures such as relocation or repositioning of the device.

Operating the device close to other devices should be avoided as this could lead to a faulty operation. If such operation is nevertheless required, then this device as well as the other devices should be checked for correct operation.

Portable high frequency communication devices as well as their accessories, e.g. antenna cable and external antennas should not be used beyond a distance of 30 cm to the device and its cables.

Using other accessory components and cables than supplied by the manufacturer of the device, this can lead to increased electromagnetic interference or a reduced electromagnetic immunity of the device, resulting in a faulty operation.

If in spite of considering the before mentioned remarks the device is influenced by electromagnetic interference, the operating parameters of the devices may be impaired. In that case malfunctions of the heating can occur. Therefore the patient's temperature should be checked in frequent intervals.