



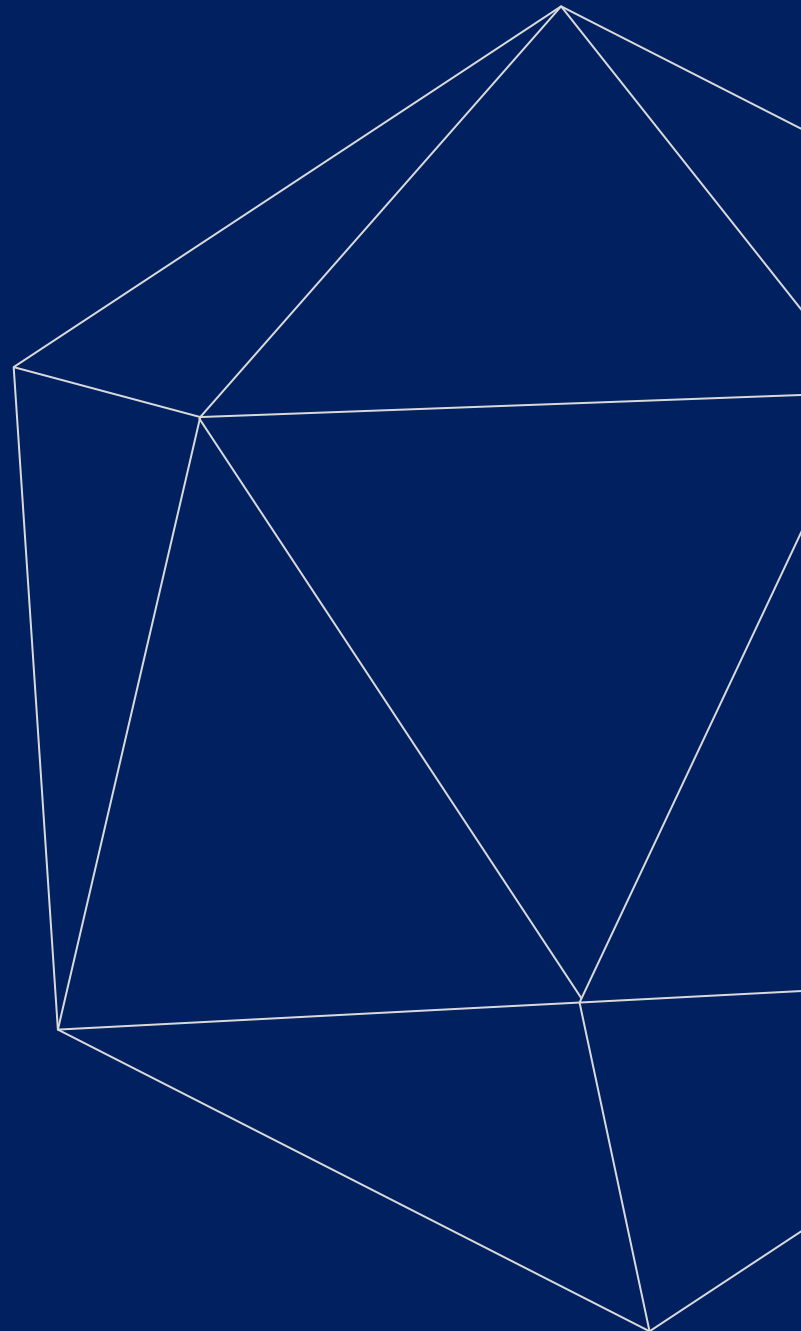
# MEDICAL LINES

## INFANT WARMER



**Kalstein**®

A different accompaniment, at your service





# Kalstein®

A different accompaniment, at your service

OUR SERVICES

## Benefits and Support

In Kalstein France, we take care of the full satisfaction of our customers, that is why we provide value-added services of the highest level based on our experience.



### Online Inductions and Trainings

In any part of the world, receive your induction or training from our specialized team of engineers



### Quick Response

Our work team is always available to response all your consults or questions, in order to support you in any situation.



### #Letsgivemore ♥

Thanks to your purchase, a donation will be made to a non-profit foundation that fights against breast cancer and helps most vulnerable communities.



### Technical Support

Enjoy of personalized advice for the correct preventive and corrective maintenance of your equipment, thanks to Kalstein's manuals and articles, special catalogues and video tutorials.



### Delivery Logistics

We take care of all the necessary logistics for the dispatch of your goods, whether is by sea, land or air.



### Kalstein Worldwide

With more than 25 years growing with our customers, Kalstein's multiformat and modern content, is now present in more than 10 countries and increasing.



# KALSTEIN® Infant Radiant Warmer

## Infant Radiant Warmer

### Special Features



YR02191



YR02189



YR02190

### Parameter system

	YR02189	YR02190.....	YR02191	YR02192
Temp control mode	*Pre-warming, Manual control and Skin temperature*			
Rotatable radiant warmer	•	•	•	•
Tilttable bed	•	•	•	•
Failure alarm	•	•	•	•
APGAR timer	○	•	•	•
X-ray cassette	○	•	•	•
Bed dimension	standard	standard	large	large
Wings of phototherapy units	○	○	○	○
Resuscitation bag	○	○	○	○
Adjustable working height	N/A	N/A	○	•
Low- pressure suction unit	○	○	○	○
Oxygen therapy unit	○	○	○	○
Oxygen hood	○	○	○	○
Infant head restraint unit	○	○	○	○

"○" means optional "•" means standard configuration



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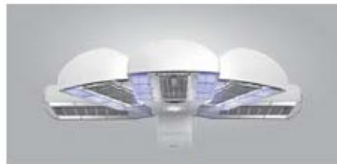
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# KALSTEIN® Infant Radiant Warmer

## Infant Radiant Warmer

### Special Features



Wing-type phototherapy units for all model (optional)



Compact swiveled shelf for taking monitors for YR02191 only



X type base with shelf for storage design for YR02191 only



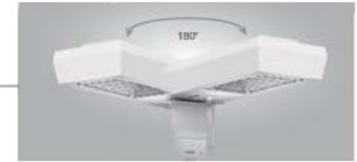
Vertical height adjustment with ergonomic design for YR02192 only



Basic base with shelf for storage design for YR02189/ YR02190



The warmer module can be swiveled from  $\pm 90^\circ$  for taking X-rays for YR02191/YR02192 / YR02190



The warmer module can be swiveled from  $\pm 90^\circ$  for taking X-rays for YR02189



Baby bed can be adjusted up to  $\pm 15^\circ$  with gas spring design for YR02191/YR02192



X-ray tray beneath mattress for your convenience of tacking X-ray for YR02192/ YR02191/ YR02190



Bigger size warming bed is enclosed by four protective panels for YR02191/ YR02192

### Features

- ✓ Temp. control modes: Pre-warming, Manual control and Skin temperature
- ✓ Both carborundum & far-IR electric or crystal quartz heater available
- ✓ Adjustable operating height with lift system
- ✓ APGAR score & timer system for evaluating babies' Activity, Pulse, Grimace, Appearance and Respiration situation
- ✓ X-ray cassette tray under bed for easy imaging
- ✓ Dual-channel microprocessor controlled
- ✓ Temperature deviation observation and amendement on front panel
- ✓ Anti-separation function of skin temperature sensor for over-warming prevention
- ✓ RS-232 interface for networking and data communication



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# KALSTEIN® Infant Radiant Warmer

## Infant Radiant Warmer

Series Model YR02190



Infant Radiant Warmer-mode Per-warming/ Manual control/ Skin-temp control carborundum heater, APGAR timer X-ray cassette tray rotary tilt for bed bigger size bed.

Our YR02190 unit offers the best care with the optimal thermoregulation for newborn patients when they are in emergency or therapy jaundice in open care system.

### Features

- ✓ Pre-warm, manual control and baby skin temperature mode
- ✓ Microprocessor based servo-controlled temperature system with far-infrared heater
- ✓ Temperature deviation can be observed and amended in front panel for error measurement
- ✓ Self-checking function for safety affirmative
- ✓ The inclination of bassinet can be adjusted.

- ✓ Heater head can be adjusted horizontally
- ✓ Foldable transparent protector
- ✓ Skin temperature sensor fall protect function to avoid over warming
- ✓ Audible and visible alarm indications for multiple failures with 3 priorities
- ✓ Observe light angle can be adjusted
- ✓ 40% Constant power warming function
- ✓ APAGER timer
- ✓ RS-232 connector

### Application

As our standard designed radiant warmer, the unit can easily regulate the installation and convenient access to the baby patients.



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# KALSTEIN® Infant Radiant Warmer

## Infant Radiant Warmer

YR02191

The YR02191 unit is our middle design of infant radiant warmer with a unique thermal environment for premature and full-term neonates. Moreover, the resuscitation accessories can be optional by the unit in emergency conditions.

### Features

- ✓ Pre-warm, manual control and baby skin temperature mode
- ✓ Microprocessor based servo-controlled temperature system with far-infrared heater
- ✓ Temperature deviation can be observed and amended in front panel for error measurement
- ✓ Self-checking function for safety affirmative
- ✓ The inclination of bassinet can be adjusted.
- ✓ Heater head can be adjusted horizontally between 0-90°
- ✓ Foldable transparent protector
- ✓ Lower phototherapy units
- ✓ Skin temperature sensor fall protect function to avoid over warming
- ✓ Audible and visible alarm indications for multiple failures with 3 priorities
- ✓ Convenient X-ray cassette tray is under infant bed
- ✓ Observe light angle can be adjusted
- ✓ Big baby bed is convenient for operation
- ✓ 40% Constant power warming function
- ✓ APAGER timer
- ✓ Cylindrical chassis
- ✓ RS-232 connector

### Application

The YR02191 model provide appropriate pre-heating, servo-controlled temperature and skin temperature functions reducing the care pressure for caregivers and increasing the care level for newborn patients. Widely applicable in all hospitals and clinics and optimize for preterm births or for some ill full-term babies or jaundiced baby.

### Optional accessories

- ✓ Oxygen therapy system unit, oxygen hood
- ✓ Suction unit
- ✓ Resuscitation bag
- ✓ Infant head fixating
- ✓ Electric height adjustment
- ✓ Phototherapy unit (LED light or OSRAM tubes)



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# KALSTEIN® Infant Radiant Warmer

## Infant Radiant Warmer

YR02192

As a versatile open care system offering solutions you can depend on, the YR02192 makes your job easier while it keeping your procedures comfortable. This therapy platform allows you to rapidly response to your high-risk patient since it integrated everything you need for thermoregulation and respiratory support during resuscitation therapy. In addition, the design of system is extracted from our years of experience to persistently follow the concept of giving your vulnerable patients best care.

### Features

- ✓ Pre-warm, manual control and baby skin temperature mode
- ✓ Microprocessor based servo-controlled temperature system with far-infrared heater
- ✓ Temperature deviation can be observed and amended in front panel for error measurement
- ✓ Self-checking function for safety affirmative
- ✓ Lower phototherapy units
- ✓ The inclination of bassinet can be adjusted.
- ✓ Heater head can be adjusted horizontally between 0-90°
- ✓ Foldable transparent protector
- ✓ Skin temperature sensor fall protect function to avoid over warming
- ✓ Audible and visible alarm indications for multiple failures with 3 priorities
- ✓ Convenient X-ray cassette tray under infant bed
- ✓ Big baby bed is convenient for operation
- ✓ 40 % Constant power warming function
- ✓ Double sides phototherapy unit provide treatment for jaundice
- ✓ The vertical height can be adjusted.
- ✓ Oxygen therapy unit, resuscitation balloon, infant head fixed shelf ,oxygen hood, low pressure suction system.
- ✓ APAGER timer
- ✓ Cylindrical chassis
- ✓ RS-232 connector

### Application

As our top one infant radiant warmer, it combines the intensive and comfortable warming therapy with the resuscitation accessories in emergency or NICU when neonate patients need. Widely applicable in all hospitals and clinics and optimize for preterm births or for some ill full-term babies.



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# KALSTEIN® Infant Radiant Warmer

## Infant Radiant Warmer

Model	YR02193	YR02192	YR02191	YR02190	YR02189
<b>General</b>					
Control system	Servo & Manual Control by Microprocessor Control System				
Display	LED digital display				
Mattress size	57×76cm	57×76cm	57×76cm	57×76cm	54×65cm
Baby bed tilt	±15°continuous tilt	±15°continuous tilt	±15°continuous tilt	±15°continuous tilt	±10°continuous tilt
Power supply	110 ~ 120V / 220 ~ 240V, 50/60 Hz				
<b>Heater source</b>					
Far-infrared heater	silicon carbide	silicon carbide	silicon carbide	silicon carbide	anti-explosion crystal quartz
Consumption	≤800VA				
Heater output indicator	0-100%, 10% increments.				
Horizontal angle adjustment of heater lamp	±90°				
<b>Temperature control mode</b>					
Control mode	Preheating, manual, skin-temp mode				
Temperature display range	0.0 °C ~ 99.0 °C				
Temperature resolution	0.1 °C				
<b>Skin-temp control mode</b>					
Skin-temp control range	25.0 °C ~ 37.0 °C				
Temperature display range	25.0 °C ~ 42 °C				
Temperature resolution	0.1 °C				
<b>Wings of infant phototherapy unit</b>					
Light source	LED light	LED light	LED light	optional	optional
Power output	≤200W	≤200W	≤200W	optional	optional
Lifetime	20000hrs	20000hrs	20000hrs	optional	optional
Built-in timer range	0~9999hrs 59 min	0~9999hrs 59 min	0~9999hrs 59 min	optional	optional
Wavelength	460nm	460nm	460nm	optional	optional
Electrical height adjustment	yes	yes	optional	no	no
APGAR timer	1min / 5min / 10min				
<b>Alarm system</b>					
Alarm system	Yes				
Sensor failure	Over-high temp / low temp				
Temperature deviation	Yes				
Power failure	Yes				
Heater failure	Yes				
System failure	Yes				
<b>Configurations</b>					
Storage drawer	optional				
Baby weight scales	optional				
Radiolucent mattress	optional				
Down side LED phototherapy of baby bed	standard	standard	standard	optional	optional
Resuscitation bag	optional				
Low-pressure suction unit	standard	optional	optional	optional	optional
Oxygen therapy unit	optional				
Oxygen hood	optional				
Infant head fixing unit	optional				



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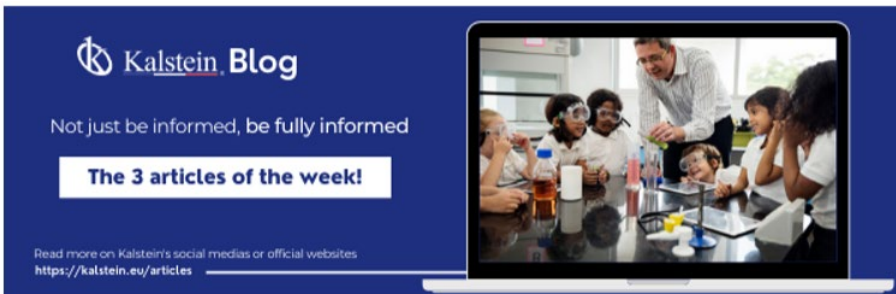


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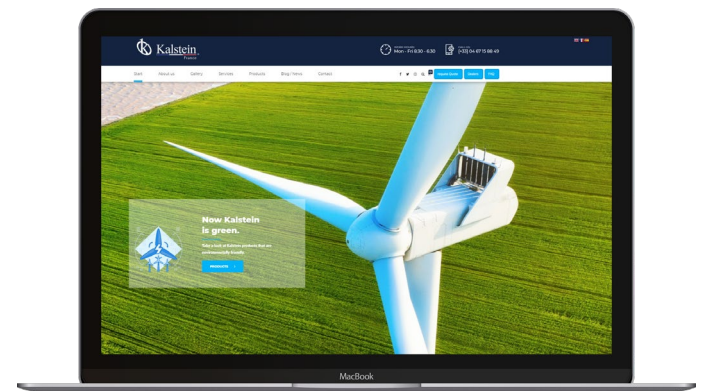


MONTPELLIER - FRANCE  
**HEADQUARTER**  
Optimum Business Center,  
450 Rue Baden Powell,  
34000 Montpellier - France.

**Fax:** +33 (0) 4 67 15 88 49  
**Tif:** +33 (0) 6 80 76 07 10  
[sales@kalstein.eu](mailto:sales@kalstein.eu)

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**How does the climate affect your microscope?**

microscope is an instrument that allows observing and measuring objects that are too small to be seen with the naked eye. This is achieved through a complex system of lenses, which form

**Kalstein Blog**

**Article of the week:**  
How does the climate affect your microscope?

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**2**  
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**What is the importance of the laboratory refrigerator?**

refrigerator in a laboratory is one of the most important equipment. It is used to maintain, in a controlled environment (refrigerated space), various fluids and substances.

**Kalstein Blog**

**Article of the week:**  
What is the importance of the laboratory refrigerator?

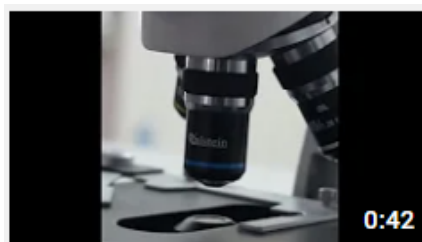
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