

# INB-100 LED Tube Infant Phototherapy Unit



## Features

- Use LED blue tube as light source
- LED Digital Timer, display therapy time & total time
- Lifting & Mobile Stand
- Radiant head rotating by angle of 30° / 60° / 90°

## Technical specifications

- Input power: <150VA
- Light source: Blue tube/ LED tube
- Light source effective life: 2,000 /50,000 hours
- Wavelength: 400-550nm
- Irradiance treatment distance: 35cm
- Effective area: 45cm×24cm
- Bilirubin total irradiance maximum (E<sub>bi</sub> max): 2000μW/cm<sup>2</sup> / 2500μW/cm<sup>2</sup>
- Uniformity of E<sub>bi</sub>: >0.4
- Infrared radiation in effective area: ≤10mW/cm<sup>2</sup> (760nm < λ ≤1400nm)
- Ultraviolet radiation in effective area: ≤1.0×10<sup>-5</sup>mW/cm<sup>2</sup> (180nm < λ ≤400nm)
- Time display accuracy: 2h±1min
- Operate noise: ≤55dB(A), ambient noise is lower than 40dB(A)
- Time display range: 9999h 59min
- Adjust angle: 30°, 60°, 90°
- Adjust height: 1100mm-1500mm

# INAL-5 LED Infant Phototherapy Unit



## Features

- LED lamp as phototherapy radiating elements
- Irradiance intensity is adjustable in 3 grades: low, middle, high
- LCD screen display therapy time and integral time separately
- Equal light distribution, high intensity
- Quiet, no noise of fan
- Count up timer and count down timer for exact and convenient treatment
- The angle of head and height are adjustable
- Four castors with brake, magal and steel support base
- Long life span LED bulbs
- Using together with infant incubator, infant warmer, baby cradle

## Technical Specifications

### Performance

- Power supply: AC110V~240V, 60/50Hz
- Power input: 40VA
- Radiant Wavelength: 420~490nm
- Height adjustable range: 850~1640mm
- Pitching angle of phototherapy head: 0~180°
- Radiant head size: 380\*220mm
- Life span of LED bulbs: at least 20000 hours

Blue LED bulbs: 17pcs  
Time accuracy: 1min/12h  
Integral time range: 0~9999.9h  
Count down timer: 0~8h 30min

### **Total irradiance for bilirubin**

Effective surface area 500\*360mm at 360mm)  
High: 2800 $\mu$ W/cm<sup>2</sup>  
Middle: 2000 $\mu$ W/cm<sup>2</sup>  
Low: 800 $\mu$ W/cm<sup>2</sup>

### **Operating condition**

Temperature: 18~30°C  
Relative humidity: 10~85%RH  
Atmospheric pressure: 700~1060hpa

### **Transport and storage condition**

Ambient temperature: -10 ~ +55°C  
Relative humidity:  $\leq$ 95%  
Atmospheric pressure: 500~1060hpa

# IN-AL 3LED Infant Phototherapy Unit



## Features

LED bulbs as phototherapy radiant source

Button control switch

Equal light distribution. High intensity

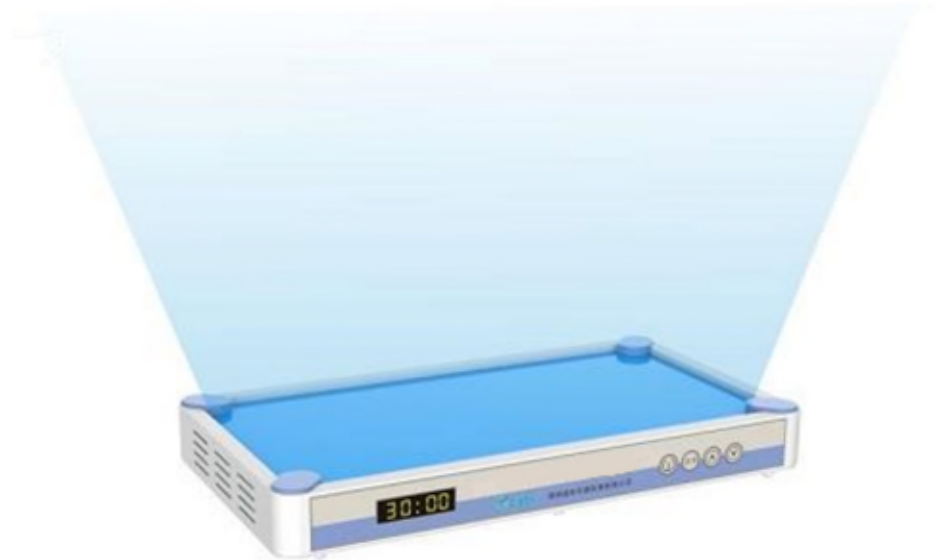
Quiet, no noise of fan Long life span

Timer for total using time and each treatment time

Count down timer

Using on top of infant incubator for neonate bilirubin phototherapy treatment

# INAL-10 LED Infant Phototherapy Unit



## Features

LED bulbs as phototherapy radiant source

Button control switch

Equal light distribution, High intensity

Quiet, two cooling fan, Long life span

Timer for total using time and each treatment time

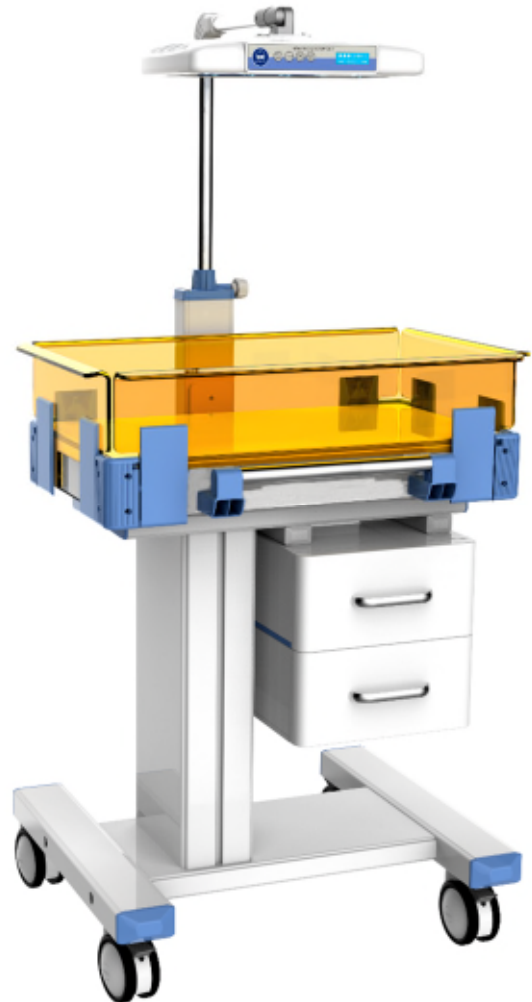
Count down timer

Install under infant bed, use for neonate bilirubin phototherapy treatment

Irradiance intensity is automatic adjustment, to prevent the bed temperature higher

Adopts Aluminum PCB to help element heat dissipation

# INAL-200 LED Infant Phototherapy Unit (Double)



## Features

- Double side phototherapy for more effective radiation
- Upside phototherapy and downside phototherapy can be used separately
- Three levels to adjust the irradiation: Low, Medium, High
- LCD screen of upside phototherapy unit displays therapy time with timer and countdown
- Downside phototherapy unit adopts blue LED bulbs source and independent air-cooling fan
- Upside phototherapy unit adopts big blue LED bulbs, uniform, efficient and long life
- Protect boards of infant bed could be folded down for clinical use
- Light head of upside phototherapy unit can be adjusted 360° horizontally and 180° vertically
- Stand column could be adjusted  $\pm 360^\circ$
- Anti-rusty aluminum alloy base
- High irradiation, easy to operation and move
- With drawers and lockable castors
- The height of upside phototherapy is adjustable
- Automatically record total used therapy time

## Technical Data

### Specification

Power supply: AC 100~240V ± 22V ,50/60Hz ± 1Hz

Power input: 45VA

Blue light wavelength: 440nm ~ 480nm

Life time of LED bulbs: ≥20000 hours

Height of upside phototherapy adjustable range: 1300mm~1600mm (From light head to floor)

### Downside Phototherapy Unit

Highest total irradiance for bilirubin on effective area: 1500μW/cm<sup>2</sup>

### Upside Phototherapy Unit

PARAMETER		SPECIFICATION			
Radiation distance		500mm		360mm	
Efficiency radiation area		600mm*300mm		500mm*300mm	
Total irradiance for bilirubin (uW/cm <sup>2</sup> )		Average	Highest	Average	Highest
	High	1415	1620	2000	2800
	Medium	1000	1200	1400	2000
	Low	400	480	620	800

### Working Environment

Ambient temperature: +18°C ~ +30°C

Relative humidity: 10% ~ 85%

Atmosphere pressure: 700hpa ~ 1060hpa

### Transport and Storage Environment

Environment temperature: -10°C ~ +55°C

Environment relative humidity: ≤95%

Atmosphere pressure: 500hpa ~ 1060hpa

### Standard Configuration

Main body (Including the LED radiant source, Control system, Upside Phototherapy, Downside Phototherapy, Infant bed, Bracket), Mattress, Transparent foldable protector, Castors, Two drawers.

### Package

Each unit is packed in one case; case size: 80\*79\*134.5cm; gross weight: 65KG

# INAL-500 LED Infant Phototherapy Unit (Double)



## Features

Small, light and high irradiation

LED blue light as the radiant source is irradiating uniformly and efficient

Circle 360 double sides for more effective radiation

Two phototherapy mode: upside and downside phototherapy, can be use separately

The electronic ballast makes the power supply adaptable and the power factor high

Therapy time of phototherapy units from up and down side are displayed separately

Automatically record each therapy time and total used therapy time

Air temperature and skin temperature separately displayed

Power off memory, silence key for alarm, key-locking and self-examination function

Four alarm functions: Power Failure, Probe Failure, Over Temperature, Fan Failure

Function of setting up the count-down working time

It is convenient to know the therapy of the infant through observation ports on both sides

Adopt air spring structure and the hood is easy to open and close

The aluminum-magnesium alloy is applied on the base, with two drawers and tray



## Technical Data

### Specification

Power supply: AC220V±10%, 50Hz±2%  
Power input: ≤400VA  
Blue light wavelength: 420nm ~ 490nm  
Circle 360 light radiation: 3700μW/cm<sup>2</sup>  
Downside light radiation: 2400μW/cm<sup>2</sup>  
Life span of blue light tube: >20000hours  
Air Temperature display range: 0 ~ 45°C  
Skin Temperature display range: 0 ~45°C  
Time accuracy: 1min/2h  
Count-up time range: 0 ~ 99.9 hours  
Count-down time range: 1min ~ 99.9 hours  
Total cumulative time: 999999 hours  
Mattress size: 613\*300mm

### Working Environment

Ambient temperature: +18°C ~ +30°C  
Relative humidity: 30% ~ 75%  
Atmosphere pressure: 700hpa ~ 1060hpa

### Transport and Storage Environment

Environment temperature: -40°C ~ +55°C  
Environment relative humidity: ≤95%  
Atmosphere pressure: 500hpa ~ 1060hpa

### Standard Configuration

Main body (including the radiant source, control system, infant bed, bracket), IV pole, skin temperature sensor, air temp sensor, tray, mattress, transparent protector, castors, two drawers.

### Package

Each unit is packed in one case; case size: 120\*70\*96cm; gross weight: <80KG

# INAJ20 Transcutaneous Jaundice Detector



## Product Description

AJ20 Transcutaneous Jaundice Detector is a portable instrument which is mainly used in the dynamic clinical examination of neonatal jaundice.

The transcutaneous concentration of bilirubin correlative with serum bilirubin concentration can be determined instantly and non-invasively since the detector is placed on the neonatal skin.

It prevents the neonates from any discomfort typically associated with abstraction of blood samples, reduces costs since test results are immediate, and increases the working efficiency of doctors and nurses

AJ20 Transcutaneous Jaundice Detector is developed with advanced electronics and optics, adopting Fiber Optics, spectrum splitter, controlled spectrum filter, NFM switching, and information processing techniques.

## Main function

1. Liquid Crystal Display is easily viewable
2. Streamlined design makes it small, delicate and easy to be handled.
3. Long service life, low energy consumption.
4. Battery indicator indicates when battery needs recharging.
5. Test results are rapid providing serum bilirubin concentration.
6. Storage and memory function.
7. Convenient to browse and delete functions.
8. Convenient self-calibration.
9. Easy use and maintenance.

## Specification

PARAMETER	SPECIFICATION
Display	LCD, 3 figures
Power	AA 1.5V×2 batteries
Indicator light for ready	Green
Measurement range	0.0mg/d L ~ 30.0 mg/d L
Measurement accuracy	low + 1.0 mg/d L 17umol/L, rest ±1.5 mg/d L ±25.5 umol/L
Preparation time	<12 seconds
Record function	Memorize 20 latest measuring results and circularly reviews recorded data.
Reexamination rate	<10%
Safety classification	IEC60601-1 class I, type CF
Certificate	CE/ ISO13485