

Jaundice Meter

Jaundice Meter adopts advanced fiber technology, optical technology, electronics and information processing technology, the light and electricity organically combined for dynamically monitoring neonatal serum bilirubin percutaneous value. The device can measure percutaneous bilirubin value related to serum bilirubin concentration through neonatal skin by rapid noninvasive determination, eliminating the pain caused by repeated blood samples to neonates, but also reducing difficulties of medical staff to collect blood samples. BY-D-I and BY-D-II have self-calibration functions.

Product configuration:

Jaundice meter, calibration plate and charger.



Technical Parameters:

Model	BY-D-I	BY-D-II
Measuring Method	Light reflection	
Light Source	Xenon flash	
Display	1.6-inch LCD display	2.2-inch LCD display
Measuring Range	0.0~29.9mg/dL(0.0~425μmol/L)	
Indication Error	00~15±1(mg/dL) ; 16~25±1.5(mg/dL)	
Measuring Accuracy	RSD<2%	
Battery	4 Triple A rechargeable nickel-metal hydride batteries	Built-in lithium battery
Measuring Times	800 times after each full charge	
Measuring Units	mg/dL; μmol/L	mg/dL; μmol/L(Simultaneous display)
Measuring Averages	2~5 sets	1~5 sets(Display both test values and averages)
Calibration Plate	White screen 00.0 or 00.1mg/dL Yellow screen 20.0 ± 1 mg/dL	
Working Temp	10~30℃	
Working Relative Humidity	≤80%	
Working Atmospheric Pressure	75~106 Kpa	
Storage Function	/	Stores up to 100 records
Power Supply	Input: AC100~240V, 50/60Hz Output: DC6.0V	Input: AC100~240V, 50/60Hz Output: DC5.0V
External Size (W*D*H)	175*68*26mm	168*62*26mm
Package Size (W*D*H)	275*135*235mm(carton box)	
Net Weight (kg)	0.157(including batteries) 0.11(without battery)	0.155
Gross Weight(kg)	1.33	

Neonatal Jaundice Therapy Apparatus

Introduction:

Mode selection: There are two modes of white light and blue light, with blue light and white light switch function.With single timing, cumulative timing, countdown function.Light source: LED blue light source, produce natural soft blue light.Provide high strength cold light source to light treatment, prevent heat conduction effects on children.

Features:

- BHZ-001:
- * The adjustable range of the irradiation angle for the mobile jaundice treatment lamp box should be from 0°to 90°, with free adjustment up and down.
 - * Square lift guide, guide to prevent left and right rotation at the same time.
- BHZ-002:
- * It can be fixed to the top of the incubator by the bottom suction cup.



Technical Parameters:

Model	BHZ-001	BHZ-002
Light Source	LED	
Dominant Wavelength of Blue Light (nm)	425~475	
Lifetime of the LED	5000h	
Product Service Life	6 years	
Radiation Therapy Distance(mm)	Distance light box 450	Distance light box 450
Phototherapy Effective Surface Area(mm)	300*200	
The Total Irradiance for Maximum Bilirubin on the Effective Surface Area	5.2mW/cm2±0.5mW/cm2	2.4mW/cm2+0.3mW/cm2
The Total Irradiance on the Effective Surface Area	≥2.5mW/cm2	≥1.0mW/cm2
Average Value of the Total Irradiance for Bilirubin	4.0mW/cm2±0.5mW/cm2	1.5mW/cm2±0.5mW/cm2
Uniformity of the Total Irradiance for Bilirubin	>0.4	
Noise	≤45dB(A)[Ambient noise ≤35dB(A)]	
Light Box Irradiation Angle Adjustment Range	0~90 ° adjusted up and down	
Light Box Height Adjustment Range(mm)	1350~1650	
Display Timer Range	0~9999 hours 59 minutes	
Ambient Air Movement Rate(m/s)	<0.3	
Working Temp.	28~34℃	
Working Relative Humidity	30%~75%	
Working Atmospheric Pressure	800~1060hPa	
Overvoltage Category	II	
Pollution Grade	2	
Waterproofing Grade	IPXO	
Application Environment Elevation(m)	≤2000	
Power Supply	AC220V+10%,50Hz;110V+10%,60Hz;30VA	
External Size(W*D*H) mm	705*620*1350~1660	470*320*55
Packing Size(W*D*H) mm	750*710*1250	615*415*180
Net Weight(kg)	15	1.64
Gross Weight(kg)	32	5.1