INTENSIVE PHOTOTHERAPY

O'BLOO LED 1950

360° LED intensive phototherapy cradle

MANUFACTURER

Light applied evenly over the infant's whole body, for fast treatment of severe jaundice.







OVERVIEW

Médipréma's O'BLOO cradle delivers intensive phototherapy: irradiance is applied evenly and simultaneously over the newborn's whole body surface, through 360° around the hammock.

This type of tunnel considerably shortens jaundice treatment and reduces the need for exchange transfusions. The light source is made of 12 blue LED bars set in two semi-cylindrical hoods, with a lifetime of over 50,000 hours.

The device monitors the infant's skin temperature and can take an integrated pulse oximeter (option). It is intended for thermally stable patients.

KEY FEATURES

- Typical irradiance of 5 mW/cm² (≈ 80 µW/cm²/nm) through 360°
- 12 blue LED bars, lifetime > 50,000 h
- Photobiological risk group RG0 (exempt)
- Skin temperature monitoring with high and low alarms
- Optional integrated pulse oximeter: SpO2 70-100 %, HR 18-321 bpm
- Exposure timer, hour counter, pause key
- Quiet: < 35 dB(A)
- 60 × 30 cm hammock sliding out to 75 %, gas-spring upper hood
- Drawer, shelf and 4 Ø 75 mm castors, 2 with brakes

TECHNICAL SPECIFICATIONS

Specification	Value
Manufacturer	Médipréma
Origin	France
Type	Intensive phototherapy device, 360° cradle
Manufacturer reference	1950 – LED option
Irradiance	5 mW/cm² typical (≈ 80 µW/cm²/nm), measured 400 to 550 nm (DIN 5031)
Light source	12 blue LED bars, 2 semi-cylindrical hoods
LED lifetime	> 50,000 h
Hammock	60 × 30 cm, polyester OEKO-TEX Standard 100 – max. load 5 kg
Monitoring	Skin temperature; alarm and pause if air exceeds 38 °C
Integrated oximeter (option 3826)	SpO2 70 to 100 %; heart rate 18 to 321 bpm
Noise level	< 35 dB(A)
Dimensions (L × W × H)	83.3 × 64.5 × 141 cm

Specification	Value
Weight	54 kg
Power supply	110-240 V ~ 50/60 Hz – 120 VA / 90 W – class I, type BF
Operating conditions	20 to 32 °C – 40 to 90 % RH
Indicative export packing	106 × 77 × 159 cm – 110 kg gross
Medical device class	IIa – CE 0459
IBSGROUPE warranty	1 year (1- or 2-year extension available)

SUPPLIED CONFIGURATION

- 1 × O'BLOO 1950 phototherapy cradle, LED option
- 1 × box of 25 single-patient skin probes

OPTIONS AND ACCESSORIES

Mfr. ref.	Description
3826	Integrated Nonin SpO2 monitor – O'BLOO

ASSOCIATED CONSUMABLES

Mfr. ref.	Description
1939	Hammock for O'BLOO 360° cradle
3617	Reusable skin temperature probe
3623	Single-patient skin temperature probe
3159	Repositionable hydrogel probe cover
4165	Eyemax phototherapy goggles MICRO (head 20-25 cm)
4166	Eyemax phototherapy goggles PREEMIE (head 26-32 cm)
4167	Eyemax phototherapy goggles REGULAR (head 33-38 cm)
3827	Neonatal adhesive SpO2 sensor < 2 kg (Nonin 6000CN) – single use
3828	Neonatal adhesive SpO2 sensor 2-20 kg (Nonin 6000CI) – single use
3829	Reusable neonatal SpO2 sensor < 2 kg (Nonin 8001J), incl. 25 Flexiwraps 3830
3831	Reusable neonatal SpO2 sensor 2-20 kg (Nonin 8008J), incl. 25 Flexiwraps 3832
3830	FlexiWraps for Nonin 8001J SpO2 sensor (< 2 kg) – single use
3832	FlexiWraps for Nonin 8008J SpO2 sensor (2-20 kg) – single use

APPLICATIONS

The O'BLOO LED 1950 is particularly suited to:

- Neonatal units
- Maternity units
- Treatment of severe neonatal jaundice (hyperbilirubinaemia)

Please note — For thermally stable newborns only. Eye protection is mandatory. Manufacturer's operating conditions: 20 to 32 °C ambient; an air-conditioned room is needed in hot climates.

Manufacturing and distribution — Designed and manufactured in France by Médipréma (CE 0459, notified body GMED), distributed by IBSGROUPE Ltd. Non-contractual document. Specifications may be changed by the manufacturer without notice. In case of discrepancy between text and image, the text prevails. IBSGROUPE ref. : IBSLTD-MDP-1950.