



MEDICOR ELEKTRONIKA



BUSINESS
SuperbrandsTM

BABYLIFE[®]

MEDICOR | AUTHENTIC
EUROPEAN MANUFACTURER
OF MEDICAL EQUIPMENT
AND DEVICES SINCE 1953

**BLF-2001 IMPULSIO
INFANT INCUBATOR
DIGITALIS**



STANDARD FEATURES AND OPTIONS*

HOOD / CANOPY

Single wall hood, x-ray compatible	Standard
Double or triple wall hood	Option
Front access door	Standard
Rear access door	Option
4 noiseless, easy to open hand port / window	Standard
2 iris port / window	Standard
6 tube port	Standard
Feeding hole	Standard

CRADLE (INFANT BED) / X-RAY CASSETTE TRAY

Anti-decubitus mattress, x-ray compatible	Standard
Gel mattress	Option
Net mattress	Option
Drawable cradle	Standard
Electric cradle tilting up to 15°, both direction	Standard
Drawable x-ray cassette tray with window	Standard

STAND / IV POLE

Heavy duty stand with 4 castors (2 lockable)	Standard
Electric height adjustment (with foot pedal)	Option
Instrument shelf on the stand	Option
Cupboard with two drawers or doors on the stand	Option
Gas cylinder holder	Option
Protector and instrument holder rails on each side	Standard
IV pole with monitor shelf	Option

DISPLAY / CAMERA / OPERATION / ALARM / NETWORK

5" LCD display	Standard
7" colour touchscreen LCD with Smart Software	Option 
15.6" colour touchscreen monitor with Smart Software	Option 
Set / Display date / time / humidity / temp., etc.	Standard
Keypad lock	Standard
3/24/170 hours trend	Standard
CCD camera	Option 
Waterresistant, foil-covered keypad with lock	Standard
State-of-the-art microprocessor controller	Standard
UPS operation time from 30 min	Option
HEPA 13 air filter	Standard
Visual and audible alarms and backup sensors	Standard
Test button / Self test / Silence / Reset button	Standard
RS-232 connector	Standard
LAN/WIFI connection	Option

HUMIDITY REGULATION

30-95 with 3 litres reservoir	Standard
Ultrasonic humidifier with 1 liter reservoir	Option 

TEMPERATURE REGULATION

Air temperature servo control (25-39 °C)	Standard
Skin temperature servo control (34-38 °C)	Option
Peripheral skin/rectal temperature sensor	Option

OXYGEN REGULATION / SCALE / SPO₂

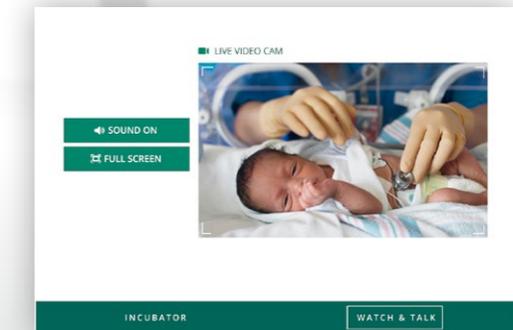
Oxygen dosage through flowmeter (21-40%)	Option
Oxygen concentration meter (21-100%)	Option
Oxygen servo in hood and head-hood (21-75/95%)	Option
Flowmeter with heated humidifier	Option
Built-in weighing scale (0-10 kg)	Option
Built-in pulseoximeter	Option
Neonatal Patient Monitor	Option 
Connection to HIS/CIS	Option 

BLF-2001 IMPULSIO INFANT INCUBATOR DIGITALIS

- IV pole with monitor shelf*
- Feeding hole
- Front and rear* access door with hand, iris & tube ports
- Continuous self-test
- Electric cradle tilting +/- 15 degree*
- Remote monitoring*
- Oxygen servo control*
- 7" colour touchscreen LCD with tiles, icons & smart software*
- Low consumption
- Easy maintenance
- Lower shelf or cupboard with drawers*
- Four antistatic wheels (two with brakes)



- Audio & Video transfer*
- CCD camera*
- 15.6" colour touchscreen*
- HIS/CIS compatibility*
- Skin temperature servo control*
- SpO₂ monitoring*
- Weight scale*
- Oversized hood & cradle 70x40 cm
- Ultravoic[®] or conventional humidity control with 3 litres reservoir
- Super quiet operation < 45 dBA
- UPS*
- Height adjustment with foot pedal*



*Optional solutions

Additional features in case of demand. The models illustrated in this brochure show the specifications of infant incubators produced by MEDICOR for the European market. In part, they include optional equipment and accessories not fitted as standard. According to the specific requirements of other markets, alterations in models, standard and optional equipment, as described in this brochure, may occur. For more precise information about country-specific product versions, please contact your local partner. Subject to change in design and equipment

TECHNICAL DATA

PHYSICAL ATTRIBUTES (STANDARD VERSION)

Width x Depth x Height (Packing)	80 (95) x 64 (70) x 135 (155) cm
Weight / Packing	85 kg
Mains voltage	220/230V ±10% (default)
Operating ambient temperature range	+20°C – +30°C

HOOD SPECIFICATIONS

Access door opening height	32 cm
Mattress to hood height	36 cm default, up to 45 cm as option
Mattress size	40 x 70 cm

TEMPERATURE CONTROL MODES

Temperature control modes	Air (standard) / Skin (option)
Temperature display range (Air/Skin mode)	0.0°C to 50.0°C
Air mode control temperature range	20.0°C to 37.0°C, in 0.1°C inc.
Air mode control override temperature range	37.0°C to 39.0°C in 0.1°C inc.
Skin mode control temperature range	34.0°C to 36.0°C, in 0.1°C inc.
Skin mode control override temperature range	36.0°C to 38.0°C, in 0.1°C inc.
Peripheral skin / Rectal temperature monitoring	Yes

PERFORMANCE

Air flow velocity across mattress	< 10 cm/sec
Temperature rise time at 22 °C (72°F) ambient	< 20 min
Temperature variability	< 0.5°C
Temperature uniformity with a level mattress	< 0.8°C

Correlation of the indicated air temperature to the actual incubator temperature	≤ 0.8°C
Operating noise level in hood	< 45 dBA (40 dBA as option)
Carbon Dioxide (CO ₂) level (per EN60601-2-19)	< 0,2%
Micro air intake filter	HEPA13 - 99,95%, 0,3 micron

HUMIDITY SERVO CONTROL

Humidity control range	30% to 95% in 1% increments
Max. humidity control operating time without refilling	55 hours
Humidity control reservoir capacity	1000 (ultrasonic) / 3000 ml
Humidity display accuracy	± 10% RH

OXYGEN SERVO CONTROL

Oxygen control range	21% to 75%
Oxygen control accuracy of full scale	± 3%
Oxygen display accuracy (100% calibration)	± 3%
Oxygen display accuracy (21% calibration)	± 3%
Oxygen display resolution	1%

WEIGHING SCALE

Weight range	0 to 10 kg
Weight display resolution	1 gr
Weight accuracy	up to 5 kg ± 2 gr, over 5 kg ± 5 gr

DEVICE CLASSIFICATION

Protection class	Class I, Type BF, continuous operation
Ingress of liquids	IP20

TREND PARAMETERS

3/24/170-hour trend: Air temperature, Skin temperature, Peripheral temperature, Relative humidity, Oxygen concentration, SpO₂ (Pulse Oximeter), Heater power, Weight



BABYLIFE[®] selection



BLR-2100

Neonatal warming and resuscitation table



TI

Transport incubator



KLA-145

LED phototherapy unit

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