MEDICOR ELEKTRONIKA

BABYLIFE®

MEDICOR | AUTHENTIC
EUROPEAN MANUFACTURER
OF MEDICAL EQUIPMENT
AND DEVICES SINCE 1963

**BLF-2001 INPULSIO
INFANT INCUBATOR
DIGITALIS**

MEDICOR

The New Generation
of Smart Infant Incubators

Est.
Production
Start
Q1/2017

**BUSINESS
Superbrands™**

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**

CRADLE (INFANT BED) / X-RAY CASSETTE TRAY

Anti-decubitus mattress, x-ray compatible	**Standard**
Gel mattress	Option
Net mattress	Option
Drawable cradle	Option
Mechanical cradle tilting	
(one step, up to 12°, both direction)	**Standard**
(outer continuous or electric, up to 16°, both direction)	Option
Drawable x-ray casette tray	**Standard**
Drawable x-ray casette tray with window	Option

STAND / IV POLE

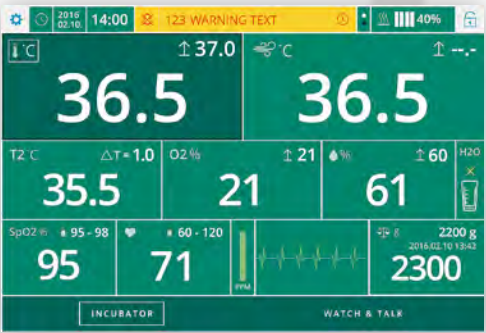|	
Heavy duty stand with 4 castors (2 lockable)	**Standard**
Electric height adjustment	Option
Instrument shelf on the stand	**Standard**
Cupboard with two drawers on the stand	Option
Gas cylinder holder	Option
Protector and instrument holder rails on each side	**Standard**
IV pole with monitor shelf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

DISPLAY / CAMERA / OPERATION / ALARM / NETWORK

7" colour touchscreen LCD	**Standard**
10" colour touchscreen monitor or tablet	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	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

Humidity servo (0-95%)	**Standard**
3 litres destillated and residual water reservoirs	**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)	**Standard**
Peripherial skin/rectal temperature sensor	Option

OXYGEN REGULATION / SCALE / SPO$_2$

Oxygen dosage through flowmeter (21-40%)	Option
Oxygen concentration meter (0-100%)	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

BLF-2001 INPULSIO INFANT INCUBATOR DIGITALIS

IV pole with monitor shelf*

Feeding hole*

Front and rear* access door with hand, iris & tube ports

Continuous self-test

Cradle tilting +/- 14 degree outer manual or electric*

Remote monitoring*

Oxygen servo control*

7" colour touchscreen LCD with tiles, icons & up-to-date software

Low comsumption

Easy maintenance

Lower shelf or cupboard with drawers*

Four antistatic wheels (two with breakes)

Audio & Video transfer*

CCD camera*

10" colour touchscreen* display or tablet HIS/CIS compatibility*

Skin temperature servo control*

SpO$_2$ monitoring*

Weight scale*

Oversized hood & cradle 70x40 cm Ultravoice* or conventional humidity control with 3 litres reservoir

Super quiet operation < 42 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)	85 (95) x 60 (70) x 135 (155) cm
Weight / Packing	85 kg
Mains voltage	220/230V ±10% (default)
Operating ambient temperature range	+20ºC – +30ºC

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.
Peripherial skin / Rectal temperature monitoring	Yes

PERFORMANCE

Air flow velocity across mattress	< 10 cm/sec
Temperature rise time at 22 ºC (72ºF) 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	< 42 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, Peripherial temperature, Relative humidity, Oxygen concentration, SpO_2 (Pulse Oximeter), Heater power, Weight
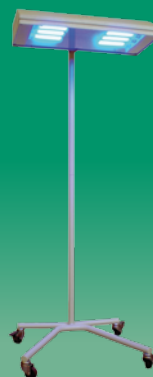
BABYLIFE ® selection

BLR-2100

BLF-2001

KLA-145