



ERTUNÇ ÖZCAN

MAGIC LOGGIA ULTIMATE MODEL





Your Professional Solution Partner. . .



MAGIC LOGGIA ULTIMATE MODEL INCUBATORS

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- Magic Loggia Ultimate is equipped with “10.1 inch colour TFT-LCD touch screen ” ensures user friendly interface, content and usage facilitation. It provides easier access and accelerated calibration capability to the intended values to be able to set by means of adjustment keys of air, skin, humidity and oxygen parameters visible on the screen acting as timesaver for the end user.
 - Raw materials utilized during manufacturing do comply with all harmonized standard defined for electrical, medical devices and equipments.
 - Heat distribution of the device is both steady and homogeneous.
 - Minimized sound stress on baby.
 - Servo controlled humidity and oxygen system quickly reaches requested parameters.
- **Optional :**
 - The device has wireless connection feature and the device can be connected to access points, routers and modems that comply with the 802.11 b / g / n Wi-Fi standard.
 - The device can transmit all measurement parameters and alarms to the data center in a maximum period of 10 seconds with the relevant wireless connection interface.
 - Transmitted data of the device; can be presented to 3rd party applications or Hospital Information Management Systems in JSON or XML data formats over the data center.



PRODUCT CODE : 123-000-000

ULTIMATE MODEL
INCUBATORS



PERFECT TECHNOLOGY

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- 1) Double walled along with a large bed canopy that can be lifted up to 45°, suitable for twin babies.
- 2) Trendelenburg and reverse trendelenburg mechanisms that can be controlled mechanically from 0° to 12°
- 3) Double wall system placed on both part of the canopy can be opened up to 180°.
- 4) 10 self-closing ports (grommets) in terms of utilizing additional accessories through the cabin.
- 5) 6 intervention doors that can be opened with elbow touch.
- 6) X - Ray cassette tray.
- 7) Humidification unit.
- 8) 10.1 inch TFT-LCD color touch screen.
- 9) Baby mattress safety apparatus.
- 10) Touchless alarm muting (Optional)



CONTROL PANEL AND ADVANCED MONITORING

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Magic Loggia-Ultimate model incubators have the following screen and monitoring features;

- 10.1 inch color TFT-LCD touch screen
 - Continuous monitoring of baby's weight
 - Simultaneously measuring and monitoring of skin temperature of twin babies
 - New baby / Previous baby selection at startup.
 - Smart screen feature providing easy monitoring of air, skin, humidity / oxygen and weighing scale values
 - Continuous display feature of parameters on different display windows when switching to other display windows.
 - Set and actual values of air temperature, set and actual skin temperature 1 and 2, set and actual values of humidity, set and actual values of oxygen on the same screen, instant baby weight, notes, time and date, baby's name and gender, alarm status or trend
 - Actual and set values are viewed by smart display windows while the other function values can be monitored as footer. Thus, all the values can be displayed on the same screen.
- User and the calibration warning signs are shown with images.



CONTROL PANEL

MONITORED PARAMETERS

MONITORED PARAMETERS



- Set Temperature Value
- Measured Air Temperature Value



- Measured Skin-1 Temperature
- Measured Skin-2 Temperature (Optional)



- Set / Measured Humidity Value
- Set/ Measured Oxygen Value



- Weighing Results (Continuous Monitorization)
- Memory – Trend Information
(Graphical trend information up to one month is available and monitoring can be performed by graphical display with 6 minutes intervals. Trend information such as set and actual values of air, skin, humidity and oxygen can be monitored in same graphical screen.)



- Menu
- Alarm
- Time– Date



- Notes
(Correspondences between users can be viewed by scrolling text and smart screen note feature.)

MINIMUM SOUND STRESS

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Sound stress on baby is minimized by utilizing our perfect technology during manufacturing process of Magic Loggia incubators.





SENSOR MODULE UNIT

SENSOR MODULE UNIT

Magic Loggia incubators do equip with a sensor module technology unit which can be easily placed into the canopy, in order to ensure communications through control panel by utilizing a single cable in terms of measuring all parameters. Thus, possible cable congestions are prevented. Sensor module system includes air temperature sensor, humidity sensor, two oxygen sensors, initial skin temperature probe input, secondary skin temperature probe input, internal scale connection input, and an alarm indicator.

SENSOR MODULE UNIT

ADVANCED HEAT MANAGEMENT

ADVANCED HEAT MANAGEMENT

To prevent heat loss inside of the canopy, air curtains are automatically activated when front and / or rear door is opened.

Air mode, Skin mode can be digitally controlled by means of servo controlled heater module.

When the indoor air temperature exceeds the set value by a certain degree or exceeds 40 ° C, the system gives an alarm and automatically stops the heating process.



MAXIMUM PROTECTION AGAINST RISK OF INFECTION

Due to state of the art design of Magic Loggia Model Incubators, preventing local humidity condensation against infection risks, while ensuring homogeneous distribution of humidity flow inside of the canopy becomes our production standard.

MICROFILTER SYSTEM

MICROFILTER SYSTEM

Magic Loggia incubators equipped with micro filter unit in order to hold micron-size particles during air intake cycle.



SERVO CONTROLLED HUMIDIFIER UNIT

SERVO CONTROLLED HUMIDIFIER UNIT

- Large humidity control reservoir filled with distilled water to be able to reach quickly to the requested set value by means of servo controlled humidity system.
- Humidity control reservoir is suitable for steam sterilization.



360° ROTATABLE DRAWERS (OPTIONAL)

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4 LOCKABLE CASTORS

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TECHNICAL SPECIFICATIONS

PHYSICAL SPECIFICATIONS

Incubator Dimensions (with stand)	: 142 (H) x 103 (W) x 73 (D) cm
Incubator Weight	: ~100 Kg
Access Door Size	: 85 (W) x 34 (H) cm

HOOD SPECIFICATIONS

Emergency Access Ports	: 6
Cable and Hose Ports	: 10
Air Filter	: <0,5 μ
Noise Level inside Canopy	: \leq 49dBA
Air Flow Velocity	: <10 cm/sec

MATTRESS SPECIFICATIONS

Baby Tray Dimensions	: 82 cm x 40 cm
Mattress Tilting Angle	: 0° to 12°

TEMPERATURE CONTROL MODES

Air Temperature and Skin Temperature Control Modes,

Air Mode Control Temperature Range	: 19.9°C – 37°C
Air mode Override Temperature Control Range	: 37°C – 39°C
Air Temperature Shortcuts	: 30°C , 32 °C , 34 °C , 36 °C
Skin Mode Control Temperature Range	: 33.9°C – 37°C
Skin Mode Override Temperature Control Range	: 37°C – 38°C
Skin Temperature Shortcuts	: 34 °C , 35 °C , 36 °C , 37 °C
Temperature Rising Time	: <25 minutes

SERVO CONTROLLED OXYGEN (OPTIONAL)

Oxygen Control range	: 21% to 85%
Oxygen Display Resolution	: 1%
Oxygen Display Accuracy (21% Cal)	: \pm 5%
Oxygen Display Range	: 15% to 99 %
O2 Sensor Operating Temperature Range	: 20°C to 41°C

SERVO CONTROLLED HUMIDITY

Humidity Control Range	: %20 – %95 (Display Range: %15- 99)
Humidity Display Accuracy	: \pm %5
Maximum Humidity	: >%90 (when set temperature is 39° C)
RH Sensor Operating Temperature Range	: 20°C – 41°C
Humidity Control Reservoir Capacity	: 1000 ml (1300 ml with inner reservoir)

TREND PARAMETERS (OPTIONAL)**Graphical and numerical Trends**

- Actual and set air temperature on same graphic (24mn, 48mn, 96mn, 3hr, 6hr, 12 hr, 24 hr, 48hr, 96hr, 8days, 16days, 32days)
- PR (NIBP) (Pulse) (24mn, 48mn, 96mn, 3hr, 6hr, 12 hr, 24 hr, 48hr, 96hr, 8days, 16days, 32days)
- SP02 (Saturation) (24mn, 48mn, 96mn, 3hr, 6hr, 12 hr, 24 hr, 48hr, 96hr, 8days, 16days, 32days)
- BPM (Pulse) (24mn, 48mn, 96mn, 3hr, 6hr, 12 hr, 24 hr, 48hr, 96hr, 8days, 16days, 32days)
- PI (Perfusion index) (24mn, 48mn, 96mn, 3hr, 6hr, 12 hr, 24 hr, 48hr, 96hr, 8days, 16days, 32days)
- SpHb (Hemoglobin) (24mn, 48mn, 96mn, 3hr, 6hr, 12 hr, 24 hr, 48hr, 96hr, 8days, 16days, 32days)
- Systolic (24mn, 48mn, 96mn, 3hr, 6hr, 12 hr, 24 hr, 48hr, 96hr, 8days, 16days, 32days)
- Diastolic (24mn, 48mn, 96mn, 3hr, 6hr, 12 hr, 24 hr, 48hr, 96hr, 8days, 16days, 32days)
- Actual and set skin temperature-1 on same graphic (24mn, 48mn, 96mn, 3hr, 6hr, 12 hr, 24 hr, 48hr, 96hr, 8days, 16days, 32days)
- Actual and skin temperature-2 on same graphic (24mn, 48mn, 96mn, 3hr, 6hr, 12 hr, 24 hr, 48hr, 96hr, 8days, 16days, 32days)
- Actual and set humidity range on same graphic (24mn, 48mn, 96mn, 3hr, 6hr, 12 hr, 24 hr, 48hr, 96hr, 8days, 16days, 32days)
- Actual and set oxygen concentration on same graphic (24mn, 48mn, 96mn, 3hr, 6hr, 12 hr, 24 hr, 48hr, 96hr, 8days, 16days, 32days)
- Body Weight can be recorded up to 32 days
- Heating Power Value (24mn, 48mn, 96mn, 3hr, 6hr, 12 hr, 24 hr, 48hr, 96hr, 8days, 16days, 32days)
- NIBP (1mn, 2mn, 3mn, 4mn, 5mn, 10mn, 15mn, 30mn, 60mn, 90mn, 120mn, 240mn, 480mn)

SCALE (OPTIONAL)

Weighing Range	: 0 – 9999 g
Weight Display Resolution	: 1 g

ALERTS

- | | |
|----------------------------------|---------------------------|
| • High Air Temperature | • No Sensor Module |
| • Low Air Temperature | • Power Failure |
| • High Skin Temperature | • Humidity Sensor Failure |
| • Low Skin Temperature | • Skin Sensor Failure |
| • High Humidity Ratio | |
| • Low Humidity Ratio | |
| • High Oxygen | |
| • Low Oxygen | |
| • No-Water in Humidity Reservoir | |
| • Low Battery | |

SYSTEM CONTROL

- Microprocessor controlled and automatic self test
- Keypad lock
- Alarm mute button
- PC Connection (Optional)

LANGUAGE OPTIONS

Turkish and English (Various languages on demand)

ELECTRICAL SPECIFICATIONS

Voltage	: 210-240VAC
Frequency	: 50/60 Hz
Internal Battery	: Magic Loggia Ultimate Model Incubator supplied with an internal battery enables to carry out just monitoring up to 60 minutes.

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STANDARD SPECIFICATIONS

- Reusable Skin Temperature Probe
- Air Filter
- X – Ray Cassette Tray
- Sterilizable Humidity Reservoir

OPTIONAL ACCESSORIES

- Monitor Shelf
- IV Pole
- Suction Unit
- Digital Scale System
- Flowmeter
- Trend
- Multiplier Electrical Plug System
- Disposable Skin Temperature Probe
- Skin Temperature Probe
- Wi-Fi Connection
- Electronic Height Adjustment
- Servo Control Oxygen System
- Double Wall
- 180° Downwardly Openable Rear Door
- 360° Rotatable Drawers
- Front rear cover special brake system
- NIBP Feature
- Masimo SpO2
- Pulseoximeter Feature (\pm % 1,5 sensitivity)
 - Baby's heart rate measurement
 - Oxygen saturation in the baby's belly
 - Perfusion index (PI) (between 0.02% and 20% numerically)
 - Carboxy hemoglobin measurement
 - Met hemoglobin measurement
- Comfort Area Feature
- Condensation management system (Transferring the water vapor to the jar outside the system)
- Touchless Alarm Muting (T.A.M.)
- External power supply (UPS)
- Kangaroo Mode
- Automatic humidity mode feature (Humidity mode is entered, the desired value is selected and the continuously adjusted humidity is automatically provided.)

COMPLIANCE WITH STANDARDS

COMPLIANCE WITH STANDARDS

EN60601-1
EN60601-2-19



ERTUNÇ ÖZCAN

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