

Introducing the LMIC Infant Incubator

A Life-Saving Innovation



The Urgent Need for Affordable, Reliable Infant Incubators

Every year, **15 million** infants are born preterm, and nearly one million of them do not survive due to inadequate access to essential healthcare—particularly infant incubators. In the LMIC environment hospitals can lose multiple infants daily because traditional incubators are prohibitively expensive, difficult to maintain, and unsuitable for challenging environments; the LMIC environment is littered with non-working, western incubators.



LMIC Infant Incubator Package:

- Incubator
- Pulse oximeter with neonate, child and adult probe.
- Pinard stethoscope
- Neonate resuscitation kit

For every **5** incubators ordered, a place of our very effective online based City & Guilds assured biomedical engineering programme will be included with your order, **worth £1,800**. This includes a professional toolkit, textbooks and biomedical engineering clothing.

Please contact tim@medaid.co.uk for pricing.

The LMIC Infant Incubator Solution

Unlike conventional incubators designed for high-tech, well-funded hospitals, the **LMIC Infant Incubator** is engineered specifically for use in resource-limited settings. It is affordable, easy to maintain, and fully compliant with international IEC standards—making it the ultimate life-saving solution for newborns in need.

Key Features & Advantages

1. Reliable Power Supply – Adapts to Any Situation

Power reliability is a major issue in many countries, but the **LMIC Infant Incubator** ensures uninterrupted operation:

- **AC Power Compatibility** – Works with 100-250V, 50-60 Hz, making it usable anywhere in the world. It automatically detects and adapts to the available power source.
- **Smart Power Management** – Protects against low-voltage fluctuations and “grey outs,” ensuring safe and continuous operation.
- **Battery Backup** – If AC power fails, the LMIC Infant Incubator seamlessly switches to a battery, and when AC power is restored, it automatically recharges the battery for future use.
- Includes an oxygen and a humidity sensor and a phototherapy light.

2. Maximum Efficiency

– Conserves Heat, Extends Battery Life

Traditional incubators are not built for efficiency, but the LMIC Infant Incubator is:

- **Thick, insulated walls** and a **double-walled door** help retain heat, reducing energy consumption and prolonging battery life.
- **Designed for sustainability**, providing heat and clean air for as long as possible in emergency situations.

3. Simple Maintenance & Easy Repairs

– Designed for Longevity

Conventional incubators require costly, specialised maintenance. The **LMIC Infant Incubator** changes that:

- **Easy, low-cost repairs** – All major components (heating units, computers, fans, electronics) are housed in a single module that costs under £300 and can be replaced with just a screwdriver.
- Built for durability and functionality in even the most challenging environments.

4. Advanced Infection Control

– Protecting Vulnerable Newborns

Premature infants are highly susceptible to infections, and the **LMIC Infant Incubator** provides unparalleled protection:

- **Custom air filtration** – Uses a **.3-micron air filter** to remove nearly all germs and pathogens, including TB.
- **Reusable skin temperature sensors** – Unlike costly disposable sensors, our reusable design makes it both cost-effective and sustainable.

5. Additional Features for Enhanced Usability

- **Soft-close door hinges** – Prevent accidental harm to the infant.
- **24-hour temperature history tracking** – Monitors infant progress via LED display.
- **Secure transport design** – Equipped with carrying straps for easy handling and fastening to surfaces.
- **Enhanced alarm system** – Multiple visual and audible alerts for critical conditions.

Proven & Certified – Ready for Global Impact

The **LMIC Infant Incubator** meets **all international IEC (60601-1, 60601-1-2) standards** and has been rigorously tested. Additional items available to create a truly lifesaving package for new borns:



- Diamedica LMIC, oxygen concentrator based CPAP machines
- Trolley / storage stand
- Delivery kits
- Foetal dopplers
- LED phototherapy lamp
- Electric or manual scales



**Medical Aid
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