



Eclipse 5010 *Bluetooth* Pressure**GUARD**[™] MATTRESS SYSTEM




Med Therapeutics
Therapeutic Surface Systems

Med Therapeutics was created in 2018 by Dr Henning Lorenz – one of the founding fathers of two of the largest Therapeutic Support Surface providers in the world.

Using his many years of expertise in pressure area care, his knowledge of Therapeutic Support Surfaces & Mechanical (Dynamic) Therapy Systems, and his grasp of the technical requirements for this rapidly evolving field, he took much of his management, sales, technical and manufacturing team with him to set up a company that would lead the way in clinical excellence. It would become synonymous with the advance of telemedicine, remote fault diagnosis, remote pressure mapping and more importantly, proactive pressure reduction – the ability to take pressure to zero instantly when required.

Med Therapeutics is best placed to provide true clinical solutions to ITU / ICU critical situations, aged care providers, and community loan store providers across the world. Whether the problem be geriatric, bariatric, paediatric, intensive care and general wards, our years of experience, our deep understanding of the technical requirements and also our passion and commitment for tissue viability care means that we WILL have an answer for your patient.

With an office near Brighton, England, an office in Karlsruhe, Germany and an office in Taipei, Taiwan we have the world covered.

We have care covered.



Eclipse 5010 Bluetooth Mattress system

The Eclipse PressureGUARD™ mattress system is a sophisticated deep cell mattress that allow the patient to immerse deeply into the cell without bottoming out. Both mattress and pump come packed with many features to aid healing at the most critical level. The mattress has adjustable height cells to reduce pressure on any area of the patients body - you can either remove any cell without disturbing the patient , lower the cell by 1" or swap the 7" cell for a 5" link cell that comes with the mattress allowing you to adapt and mould the mattress around the patients needs. You can even create heel slopes. This ensures your patient can rest and heal without any pressure against an existing or developing ulcer. Patient proning is also possible quickly and efficiently.

The pump is a sophisticated fully weight sensing pump with Bluetooth function meaning that not only can all the pump functions be managed from a smart phone, tablet or laptop but also patient movements including patient turning, cell pressure mapping and patient out of bed alerts can be monitored and recorded. With a solenoid management system the cell cycle is so smooth it virtually eliminates discomfort from the alternating cell cycle change.



Product Benefits (Mattress)

- Fully adjustable mattress – adapt the mattress around your patients specific needs with adjustable cell heights. You remove pressure instantly from any area of mattress without disturbing the patient
- Ultra smooth change over on the cell cycle with the patient always fully supported BEFORE cell changes – eliminates the movement felt on change over
- Cell in cell – in the event of power failure , mattress will automatically deflate onto a comfortable air base that only deflates when the CPR is deployed.
- Square top cells to give a more even mattress surface to ensure redistribution of pressure and thus promoting healing
- Full cable management to avoid trailing leads
- Covered hose for infection control
- 4 way stretch cover with white strike through to show up any holes and fluid ingress
- Microclimate management - Vapour permeable and waterproof cover
- Fully launderable to reduce the risk of infection and cross contamination
- Mechanical (or Dynamic) Therapy loading & offloading fully allows perfusion and thus reactive hyperemia

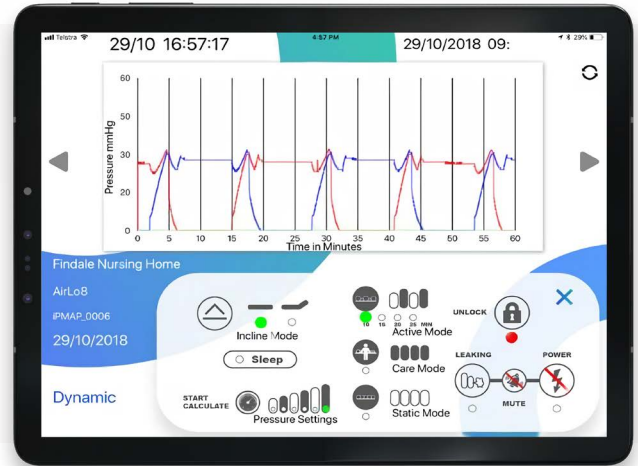


Product Benefits (Pump)

- Fully automatic patient weight and body mass sensing and position on mattress monitoring – allows the lowest possible interface whilst avoiding bottoming out.
- Continuous intelligent monitoring and adjustment on body mass and movement.
- Patient out of bed alarm (can be switched off if required) automatically alarms when patient vacates the bed
- Seating boost for heavier patients
- Clinicians comfort override (to make softer or firmer dependent on the clinicians choice)
- Dynamic or Constant Low pressure (CLP) choice of therapies
- Bluetooth access with phone APP to remotely access pump controls. Control the pump via your phone, tablet or laptop – change comfort settings, lock or unlock pump, put mattress into Autofirm mode or seating boost, check patient pressure graph to see if patient has turned over recently (thus avoiding the need to turn vulnerable patient at night thus aiding healing). Many other remote features including alarms etc
- Cell pressure mapping allows technicians to check the pump performance & pressures without even entering the patients room
- Increase or decrease cell internal pressures to suit patients requirements in steps of 1mmHg
- Visual historical record of patient movements and pressure against the skin– to allow clinicians to look at and discuss the patients ability to self turn at night and discuss patients skin condition.
- Record of pressures for maintenance/repair engineers
- Panel locks
- Low light on LCD screen at night to aid sleep
- Autofirm (turns off after 30 minutes)
- Mains, low pressure and patient out of bed alarms
- Ultra smooth change over on the cell cycle with the patient always fully supported BEFORE cell changes – eliminates the movement felt on change over

App Controlled (iOS and Android)

Pressure Graphs can show you in real time what interface pressures the patient is laying. It shows patient movements – including if they turn over or even if staff have turned them over. It will show if a patient exits the bed. For maintenance staff it allows them to quickly fault find without even touching the pump.



All pressure charts and all pump functions are available remotely via the Bluetooth app. You can download historical patient data – pressures, movement, how many times the patient has exited the bed or made significant movements that aid healing etc and then even email this data to relevant clinicians. You can provide instant pressure reduction for comfort or clinical purposes, reset alarms, place the mattress into upright mode, and many, many other functions.

Full training is given.



Technical Specifications

Dimensions

Mattress: 90 x 200 x 18cm fully inflated

Bariatric mattress: 120 x 200 x 18cm

Eclipse Pump:

27.5cm x 14cm x 20.5cm

Power

Power input: 220v-240v AC


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