

iSleep 25

iSleep 25 is a BiLevel Time system with CPAP function. It is designed to offer respiratory support for obstructive and central sleep-related breathing disorders or respiratory insufficiency.

Thanks to eSync – our highly responsive Trigger technology – the iSleep 25 synchronizes smoothly with the patient's breathing effort. As the patient demands for a new breath the iSleep 25 responds immediately and delivers the exact pressure required, allowing for very comfortable breathing. The backup frequency guarantees patient's ventilation during central apneas or intermittent hypoventilation. By adjusting risetime and eSync, the physician will match the iSleep 25 settings exactly to patient's needs.

The memory card capability allows for quick and easy download of long-term patient compliance data and detailed log. The PC software, in addition to providing advanced compliance analysis, also features detailed view on flow, pressure, leakage and tidal volume data.

The 'truly' integrated heated humidifier provides adjustable upper airway's humidification for increased compliance. The enhanced user interface provides comprehensive information on therapeutic data.

The hose is connected to the rear of the unit and can easily be positioned using the built-in swivel. The design is adapted for use with a wide range of masks.

The lightweight design and the built-in carrying handle make it easy to take with you when traveling. The power adapter enables operation in any corner of the world. It can even be powered from a car or recreational vehicle when enjoying an active everyday life.



- eSync, synchronized breath delivery
- Small footprint even with the integrated humidifier attached
- Adjustable settings for automatic leakage-compensated inspiratory and expiratory triggers
- Adjustable back-up rate and rise time
- Enhanced User Interface, extremely easy to use with big buttons
- Large backlit graphical display with built-in alarm clock
- Designed for traveling; world wide mains power compatibility and DC power options
- Designed for a wide range of masks
- Unique snooze function
- Comprehensive and easy to use PC-software with remote control capability
- Memory card capability
- Detailed patient log with flow, pressure, leak and volume
- Integrated AHI and leakage calculation
- Designed for Home

Technical Specifications

Settings/Performances	
Ventilation Modes	<ul style="list-style-type: none"> • CPAP • BiLevel
Device Modes	<ul style="list-style-type: none"> • Clinical • Home
IPAP	4 to 25 cmH ₂ O
EPAP	4 to 20 cmH ₂ O
CPAP	4 to 20 cmH ₂ O
Inspiratory Trigger (eSync)	1 to 9, Auto
Expiratory Trigger	1 to 9, Auto
Rise-Time	1 to 5
Back-up Rate	4 to 30 bpm
Maximum Flow	> 125 litres/min at 1/3 of max pressure: 108 litres/min at 2/3 of max pressure: 132 litres/min at max pressure: 132 litres/min
Maximum limited pressure during single fault condition	30 cmH ₂ O (CPAP) – 40 cmH ₂ O (Bilevel)
Breathing resistance under single fault condition	0.9 cmH ₂ O at 30 litres/min 3.2 cmH ₂ O at 60 litres/min
Digital output	Yes
Sound level at 10 cmH ₂ O	Less than 28 dB(A)

Indications	
Internal function failure	Message on the display
Power failure indication	Message on the display
Monitoring	Pressure, Leakage, Tidal Volume, I:E Ratio, Triggered breaths
High Pressure Alert/ High Leakage Alert	On/Off. Audible and visual

Power Supplies		Operating Conditions	
Mains supply	100 to 240 V AC	Recommended mask leakage	20 to 40 litres/min at 10 cmH ₂ O
External DC supply	24 V DC, 12V adapter available	Minimum mask leakage	12 litres/min at 4 cmH ₂ O

Dimensions	
W x H x D	173 x 172 x 201 mm (with humidifier HA20)
Weight	1,9 kg
Air outlet	22 mm conical standard connector

Breas Medical AB reserves the right to make changes to the contents of this Product Specification without any prior notification. August 2009.

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