iSleep ®
by Breas

iSleep 22

iSleep 22 is an advanced high performance and sophisticated Bi-level S device designed for OSA therapy at home. The upright yet stable design takes a minimum space on the nightstand and suites perfectly in any bedroom.

Thanks to eSync – our highly responsive Trigger technology – the iSleep 22 synchronizes smoothly with the patient's breathing effort. As the patient demands for a new breath the iSleep 22 responds immediately and delivers the exact pressure required, allowing for very comfortable breathing. The backup-frequency takes over the patient's breathing during intermittent central apneas.

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

The memory card capability allows for quick and easy download of long-term patient compliance data and detailed log. The PC software does not only provide compliance reports but also the patients AHI and features detailed view on flow, pressure and leakage data.

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 travelling. 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 inspiratory trigger and automatic leakage-compensated expiratory trigger
- Automatic back-up rate of 6 breaths per minute
- Enhanced User Interface, extremely easy to use with big buttons
- Large backlit graphical display with built-in alarm clock
- Designed for travelling; world wide mains power compatibility and DC power options

- Designed for a wide range of masks
- Unique snooze function
- Comprehensive yet easy to use PC-software with remote control capability
- Detailed patient log
- Memory card capability
- Integrated leakage calculation
- Designed for home

Technical Specifications

Settings/Performances	
Ventilation Modes	• CPAP • BiLevel
Device Modes	• Clinical • Home
IPAP	4 to 20 cmH$_2$O
EPAP	4 to 20 cmH$_2$O
Inspiratory Trigger (eSync)	1 to 9
Expiratory Trigger	Automatic
Back-up Rate	6 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
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

Power Supplies	
Mains supply	100 to 240 V AC
External DC supply	24 V DC, 12V adapter available

Dimensions	
W × H × D	173 × 172 × 201 mm (with humidifier HA 20)
Weight	1,9 kg
Air outlet	22 mm conical standard connector

Operating Conditions	
Recommended mask leakage	20 to 40 litres/min at 10 cmH$_2$O
Minimum mask leakage	12 litres/min at 4 cmH$_2$O

Breas Medical AB reserves the right to make changes to the contents of this Product Specification without any prior notification. December 2010.

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