



## Sandman Auto™ CPAP Device

### FEATURES

#### COMPLIANCE CAPABILITIES

- Recording of apnoeas and hypopnoeas with central/obstructive split
- Recording of inspiratory flow limitations and snoring
- Leak detection and reporting for each respiratory event
- Approx. 200 sessions of 8 hours stored in embedded memory
- Approx. 50 sessions of 8 hours available on memory card
- Comprehensive Sandman™ therapy software

#### PERFORMANCE INFORMATION

- Adaptive Pressure Stability (APS) Technology ensures specified pressure is delivered
- Digital Signal Processor allowing for precise flow control
- Automatic altitude/barometric compensation
- True patient circuit calibration
- Data download via memory card
- Direct USB connectivity using Sandman™ therapy software to:
  - Direct data download
  - Upload new settings
  - Visualise actual session

#### EASE OF USE

- Fluid-resistant display screen
- Automatic patient reminders
- Automatic light dimmer
- Only one cord for CPAP and heated humidifier
- Ability to run on an external battery

#### MEASUREMENTS

Size: 17.5 cm wide, 19 cm deep, 12 cm high

Weight: 1.2 kg with heated humidifier

### ADVANCED AUTOMATED PRESSURE ADJUSTMENT

The Sandman Auto™ CPAP device was designed to be highly accurate, comfortable and intelligent in order to deliver optimal auto CPAP pressure. This premium CPAP device has pressure and flow sensing capabilities that detect apnoeas, hypopnoeas, inspiratory flow limitations and snoring so it can react with optimal pressure at all times, while only increasing pressure during obstructive events. The patients' critical data is stored internally for easy analysis with the optional software, while the auto-calibration feature provides precise pressure delivery for nearly all mask and tubing combinations.

### INTUITIVE AND COMPACT

Like all Sandman™ therapy devices, Sandman Auto™ is simple to operate and robust. It has backlit front-facing screen and buttons so that patients can make simple adjustments without needing to sit up and turn on the light. It is light-weight, has an integrated power supply, single power cord and unique integrated heated humidifier for more comfortable therapy.

### ADVANCED HUMID CONTROL PLUS (HC+)

The Sandman Auto™ Humid Control Plus (HC+) humidification system provides precise levels of humidification by continually measuring the voltage and current delivered to the heater. This allows for a constant differential between water and air temperature to minimise tubing condensation, and gives patients a stable humidification level throughout the night for highly effective and comfortable therapy.

## ORDERING INFORMATION

PRODUCT	ORDER NUMBER
Sandman Auto CPAP, standard w/heated humidifier (includes 6 ft tubing and carrying case)	M-114822-IN
Sandman CPAP cover	M-314830-06
Carrying case	M-814805-00
Water chamber kit (includes base, cover and gasket)	M-314810-00
Air intake filter (foam, reusable - 96 pieces)	M-414840-06
High efficiency filter (disposable - 100 pieces)	M-414841-07
Filter holder kit	M-314820-02
Memory card	M-214830-00
Memory card reader	M-214830-03
Sandman™ therapy software	M-214830-11
Clinical kit Sandman™ series	M-214830-10
Power supply cord	M-660601-43
Cigarette lighter cable	M-214530-01
Battery cable	M-214530-00
RS232 Cable, 2 m (6.56 ft) (Not for use with Sandman Intro™)	M-214831-05
RS232 Cable, 15 m (49.21 ft) (Not for use with Sandman Intro)	M-214831-04
USB Cable, 2 m (6.56 ft) (Not for use with Sandman Intro)	M-214831-06
Oxygen adapter	Y-616155-03B
Patient tubing, 22 mm 1.8 m (6 ft)	M-261000-04
Patient tubing, 22 mm 2.6 m (8 ft)	S-776274-00C
Patient manual	M-148DFU00-20
Practitioner manual	M-148DFU00-30
<b>BREEZE SLEEPGEAR™ CPAP INTERFACE W/ NASAL PILLOWS</b>	
Breeze SleepGear™ interface w/ S/M and L Nasal Pillows	Y-101400-00
Breeze SleepGear™ interface w/XL Nasal Pillows	Y-101400-XL
<b>BREEZE SLEEPGEAR™ INTERFACE W/ DREAMSEAL™ MASK</b>	
Breeze SleepGear™ interface w/ standard DreamSeal mask	Y-102616-00
Breeze SleepGear™ interface w/ large DreamSeal mask	Y-103059-00A
Breeze SleepGear™ interface w/ shallow DreamSeal mask	Y-103074-00A
<b>DREAMFIT™ NASAL MASK</b>	
DreamFit™ mask large	DF301
DreamFit™ mask standard	DF302
DreamFit™ mask shallow	DF303

## SPECIFICATIONS

<b>CPAP PRESSURE AND FLOW GENERATION PROCESS:</b>	Air pressure and flow generated by a centrifugal blower with dynamic pressure regulation
<b>PRESSURE OUTPUT:</b>	3 cmH <sub>2</sub> O to 20 cmH <sub>2</sub> O (+/- 0.6 cmH <sub>2</sub> O)
<b>FLOW OUTPUT:</b>	190 LPM @ 20 cmH <sub>2</sub> O without humidifier
<b>OUTLET GAS TEMPERATURE:</b>	Maximum gas temperature at the patient outlet: 106°F (41°C)
<b>NOISE LEVEL:</b>	26 dB measured in accordance with ISO 17510-1:2002
<b>OPERATIONAL MODE:</b>	Constant pressure, auto-adjust
<b>RAMP DURATION:</b>	0, 5, 10, 15, 20, 25, 30, 35, 40, 45 minutes
<b>RAMP STARTING PRESSURE:</b>	3 cmH <sub>2</sub> O to prescription pressure
<b>HUMIDIFIER TYPE:</b>	Heated or pass-over, passive vapor-phase transfer of water into inspiratory airflow
<b>HUMIDIFIER WATER CHAMBER CAPACITY:</b>	350 ml (11.75 oz) at maximum water level
<b>HEATER ADJUSTABLE RANGE AND WATTAGE:</b>	0-10 adjustable, ≈ 3.8 watts at setting 1, 38 watts at setting 10

### PHYSICAL CHARACTERISTICS

<b>SIZE:</b>	17.5 cm wide X 19 cm deep X 12 cm high
<b>WEIGHT:</b>	1.20 kg with heated humidifier
<b>FILTERS:</b>	Cleanable and high-efficiency

### POWER CHARACTERISTICS

<b>POWER SUPPLY:</b>	Input range 100-240 V, 50-60 Hz
<b>POWER CONSUMPTION:</b>	50 VA max without humidifier 90 VA max with humidifier at maximum setting

### ENVIRONMENTAL REQUIREMENTS

<b>OPERATING TEMPERATURE:</b>	5°C to 35°C, 10% to 95% relative humidity (RH), non-condensing
<b>STORAGE TEMPERATURE:</b>	-20°C to 60°C, ≤95% relative humidity (RH), non-condensing
<b>OPERATING ALTITUDE:</b>	0 to 9000 feet (2,743 meters)



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