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## Sandman Auto™ CPAP Device

### FEATURES

#### COMPLIANCE CAPABILITIES

- Recording of apneas and hypopneas 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 CAPABILITIES

- Enhanced auto algorithm smoothly adjusts pressure during obstructive events
- Digital Signal Processor for precise flow control
- Automatic altitude/barometric compensation
- Data download via memory card
- Direct USB connectivity using Sandman therapy software to:
  - Direct data download
  - Upload new settings
  - Visualize actual session

#### EASE OF USE

- Front-facing display screen
- Large, backlit buttons
- 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

### 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 apneas, hypopneas, 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.

#### Measurements:

6.9" wide, 7.5" deep, 4.7" high

2.2 lbs without humidifier, 2.64 lbs with heated humidifier

### ADVANCED HUMID CONTROL (HC)

The Sandman Auto Humid Control 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 minimize 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 (includes 6 ft tubing and carrying case)	M-114802-US
Sandman Auto CPAP, standard w/heated humidifier (includes 6 ft tubing and carrying case)	M-114822-US
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)	M-414840-06
High efficiency filter (disposable)	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/ 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
<b>ADAM™ INTERFACE SYSTEM</b>	
ADAM interface standard/medium Snugfit™ headgear kit	Y-100871-00
ADAM interface standard/large SnugFit headgear kit	Y-100872-00
ADAM interface narrow/medium Knightwear™ kit	Y-100873-00
ADAM interface narrow/large SnugFit headgear kit	Y-100874-00

## 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>	6.9" wide x 7.5" deep x 4.7" high (17.5 cm x 19 cm x 12 cm)
<b>WEIGHT:</b>	2.64 lbs (1.20 kg) with humidifier; 2.2 lbs (1.0 kg) without 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> 41°F to 95°F (5°C to 35°C), 10% to 95% relative humidity (RH), non-condensing	
<b>STORAGE TEMPERATURE:</b> -4°F to 140°F (-20°C to 60°C), ≤95% relative humidity (RH), non-condensing	
<b>OPERATING ALTITUDE:</b>	0 to 9000 feet (2,743 meters)

For more information, please contact your local sales representative or visit our website at [www.covidien.com/sleepapnea](http://www.covidien.com/sleepapnea)

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