

RESPIRONICS®



DIGITAL AUTO-TRAK™ + Bi-FLEX® + AUTO Bi-LEVEL®

# THE POWER OF 3

[ Sometimes when three come together the results  
can be quite extraordinary. *Unique even.* ]

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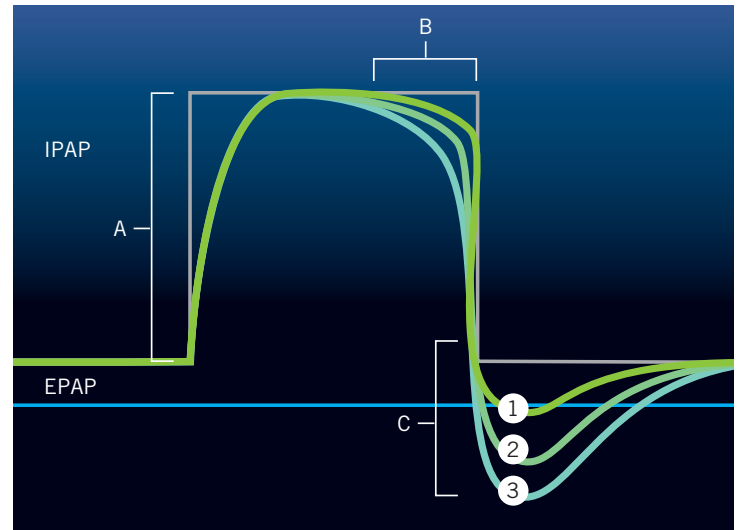
# 1

## THE BiPAP® M SERIES SLEEP SYSTEMS.

### MORE NATURAL SLEEP THERAPY THAT MORE EASILY FITS PATIENTS' LIFESTYLES.

BiPAP® Auto M Series with Bi-Flex® offers the ultimate in sleep therapy comfort. It's the first device to combine auto adjusting pressure delivery with the breath-by-breath pressure relief of Bi-Flex® for the most natural sleep therapy you can find. It also offers Encore® Pro compatibility to make patient management more natural for you.

#### HOW BI-FLEX MAKES BREATHING MORE NATURAL.



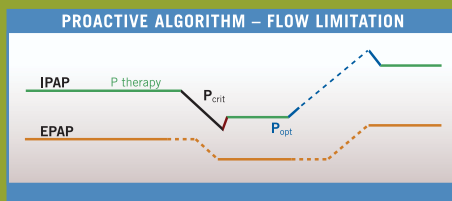
Bi-Flex "softens" airflow at inhalation and exhalation, making breathing more natural and comfortable for patients. In Bi-Flex mode, patient-adjustable pressure relief is provided at the critical stages:

- A Pressure change from EPAP to IPAP
- B Pressure change from IPAP to EPAP
- C During exhalation

# 2 BiPAP® AUTO – AN AUTOMATICALLY BETTER SLEEP THERAPY TOOL.

Developed from the proven REMstar® Auto, the BiPAP Auto with Bi-Flex features a proactive, multi-level algorithm that analyzes several parameters to monitor and respond to a patient's breathing.

A key parameter is flow limitation (a common early indication of complete obstruction). The auto algorithm performs two types of tests ( $P_{crit}$  and  $P_{opt}$ ) that allow the pressure to be maintained at a level at which obstruction is not likely to occur but is not unnecessarily high, thus maximizing patient comfort.

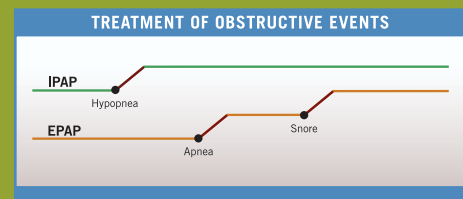


$P_{crit}$  test – IPAP is slowly decreased while the flow signal is monitored for indications of flow limitation. This test ensures that effective therapy is maintained at the minimal pressure.

$P_{opt}$  test – IPAP is slowly increased while the flow signal is monitored for improvements in a patient's airway. This test ensures that maximum therapeutic levels are obtained.

This ongoing proactive search of  $P_{crit}$  and  $P_{opt}$  levels allows for maximum therapeutic effectiveness at minimum pressures without creating any uncomfortable spikes in pressure or patient arousals.

While the algorithm is performing its proactive tests, it is also monitoring the patient's breathing patterns for occurrences of obstructive events such as snore, hypopnea or apnea. If a snore or apnea is detected, the algorithm will quickly but smoothly raise EPAP to eliminate the event. If a hypopnea is detected, the algorithm will raise IPAP to eliminate the event.



Finally, the algorithm can also detect and respond to the presence of elevated leak by lowering IPAP levels to improve mask seal.

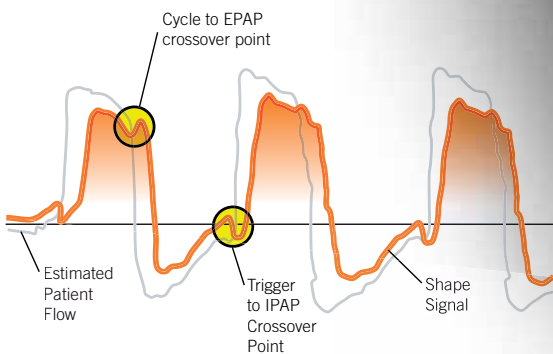
# 3

## DESIGNED TO BE SEAMLESS WITH DIGITAL AUTO-TRAK™ SENSITIVITY.

Digital Auto-Trak Sensitivity works with Bi-Flex and the auto algorithm to deliver more natural and comfortable therapy. Digital Auto-Trak Sensitivity tracks each breath so the BiPAP Auto M Series with Bi-Flex can cycle between inspiratory and expiratory pressures based on the patient's breathing. It also automatically adjusts the variable trigger and cycle thresholds to maintain optimum performance in the presence of any leaks, and ensures optimum system response with every breath.



### DIGITAL AUTO-TRAK™ SENSITIVITY



### THE SIMPLER M SERIES.

## SEAMLESS HUMIDIFICATION INCREASES TREATMENT FLEXIBILITY.

The BiPAP Auto M Series with Bi-Flex uses the same integrated approach to heated humidification as Respironics' proven REMstar® M Series family of CPAPs. This makes it easy for you to control inventory – and easy for patients to use. It features an easy-turn dial to get the right setting and doesn't need to be reset if therapy is temporarily suspended. Plus, the "hidden" water chamber is easier to use and easier to fill, and delivers continuous humidification throughout the night.



**A STRONGER SERIES. ENCORE® PRO  
COMPATIBLE WITH ENHANCED  
RECORDING CAPABILITY.**

The BiPAP® Auto M Series with Bi-Flex® comes complete with Respiration's Encore® Pro SmartCard® technology. BiPAP Auto M Series with Bi-Flex and the SmartCard record events such as snores, apneas, hypopneas and leak. That gives you even more insight into your patient's therapy – so you can improve therapy acceptance, comfort and results.

The SmartCard also records the date, time, ramp usage and duration of each BiPAP Auto M Series use. When used with the Encore Pro software, the usage data can be downloaded and viewed. The SmartCard can also transfer changes to the prescribed pressure settings to the device. The BiPAP Auto M Series with Bi-Flex also features the Functional Outcomes of Sleep Questionnaire (FOSQ). Patients can periodically complete the questionnaire and record quality-of-life data on the SmartCard.



*The Encore® Pro SmartCard® allows you to use your organization's time more wisely – which gives you the time to direct personal attention to the patients who need it most.*



Patients who cannot comply with traditional sleep therapy need more than a new device. They need you to make their lives easier. That's why we've combined the superior comfort of Bi-Flex® with the sleek, easy-to-use design of our M Series devices to create sleep therapy solutions that finally allow patients a chance to take control of sleep apnea – without taking over their entire nightstand. The BiPAP® M Series Sleep System currently features the BiPAP® Auto M Series with Bi-Flex®.

## PRODUCT SPECIFICATIONS

	BiPAP AUTO WITH Bi-FLEX
PRESSURE	4 to 25 cm H <sub>2</sub> O
RAMP TIME	0 to 45 min. (5-min. increments)
STARTING RAMP PRESSURE	4 to EPAP; patient-adjustable
DIMENSIONS	7.5" L x 5.0" W x 3.125" H 19 cm L x 12.7 cm W x 7.9 cm H
WEIGHT	2.2 lbs / 1kg
FILTERS	Pollen and optional ultra-fine
DEVICE SET-UP	LCD/keypad and SmartCard
DATA STORAGE CAPACITY (minimum)	<i>Display:</i> 7- and 30-day averages  <i>SmartCard:</i> 6 months at 3 usage sessions per day, 7 days in-depth analysis
DATA STORAGE CONTENT	<i>SmartCard:</i> Date/time, hours of usage patterns, AHI, leak, snore, FOSQ
COMPLIANCE MONITORING	Breathing detection
ALTITUDE COMPENSATION	Automatic
ELECTRICAL REQUIREMENTS	100–240 VAC, 50/60 Hz
HUMIDIFICATION	Integrates with M Series Heated and M Series Pass-over Humidifiers
DC POWER	Direct connect cord
WARRANTY	2 years
MISC	Lighted LEDs, Auto on/off, mask off alert, patient reminders

## ORDERING INFORMATION

BIPAP SYSTEMS	PART NO.	ENCORE PRO SOFTWARE AND SMARTCARD	PART NO.
BiPAP Auto M Series with Encore Pro SmartCard	IN701S	ENCORE PRO SOFTWARE	1009583
BiPAP Auto M Series with Encore Pro SmartCard Core Package	IN701HS	ENCORE USB SMART CARD READER/WRITER	1014352
		PACK OF SMARTCARDS (10 cards)	1003304
		FOSQ CLINICAL REPRINT (Sleep, 20(10): 835-843)	1000141
		FOSQ QUESTIONNAIRE, ENGLISH (Call Customer Service for other languages.)	1004550
BIPAP ACCESSORIES	PART NO.		
POLLEN FILTERS	1029330		
ULTRA-FINE FILTERS	1029331		
CARRYING CASE	1022219		
TRAVEL PACK	1028122		
DC ADAPTER CORD	1001956		
SHIELDED DC CORD SYSTEM (incl. shielded DC cord and battery adapter cable)	1001979		
REUSABLE PATIENT TUBING (with swivel)	1022333		
TUBING SWIVEL	1029532		
AC POWER CORD (3 ft/~1 m)	1028078		
EXTERNAL POWER SUPPLY	1015642		
M SERIES HEATED HUMIDIFIER	1022256		
M SERIES PASS-OVER HUMIDIFIER	1029091		
M SERIES HUMIDIFIER CHAMBER (replacement)	1029533		



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CAUTION: U.S. federal law restricts these devices to sale by or on the order of a physician.

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