

BiPAP system specifications guide

System One sleep therapy platform

Philips Respironics revolutionized sleep therapy by introducing bi-level positive airway pressure technology to treat obstructive sleep apnea. Emulating natural breathing with pressure relief at inhalation and exhalation, this proven technology does more than provide highly effective therapy; it delivers a level of comfort that can mean the difference between compliance and noncompliance for patients having difficulty adapting to traditional CPAP therapy.

As part of the System One sleep therapy platform, the bi-level technology in our BiPAP Auto and BiPAP Pro devices adds an additional level of intelligence to the industry's most advanced system. And the System One

advancements continue with remote switching between bi-level and CPAP modes, increased humidity output and control, and dramatically reduced noise levels.



System One	Modes	Comfort features					
		Flex comfort	Flex demo modes	System One humidity control	System One resistance control	Ramp (5-45 minutes)	Altitude adjustment
BiPAP Pro	CPAP Fixed bi-level	Bi-Flex	BiPAP Bi-Flex	Standard	Standard	Adjustable	Automatic
BiPAP Auto	CPAP Fixed bi-level Auto bi-level	Bi-Flex	BiPAP Bi-Flex	Standard	Standard	Adjustable	Automatic

System One	Encore patient management						
	Data transfer modes			Data capture			
	Phone-in EncorePro 2 & EncoreAnywhere	SD card EncorePro 2 & EncoreAnywhere	Modem EncoreAnywhere	Patterns of use	Advanced event detection and reporting	Advanced event response	Flow waveforms
BiPAP Pro	Hours of use VIC	Standard	Optional	Standard	AHI, FL, RERA, snore, leak, CA, OA, HY, PB	N/A	Standard
BiPAP Auto	Hours of use VIC	Standard	Optional	Standard	AHI, FL, RERA, snore, leak, CA, OA, HY, PB	FL, RERA, snore, leak, OA, HY	Standard

Legend
 AHI: Apnea Hypopnea Index
 CA: Clear Airway Apnea
 FL: Flow Limitation
 HY: Hypopnea
 OA: Obstructed Airway Apnea

PB: Periodic Breathing
 RERA: Respiratory Effort Related Arousal
 VIC: Visual Inspection Check

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sense and simplicity

Specifications		BiPAP Pro DS650S CA651S	BiPAP Auto DS750S CA751S
Pressure range:	4 to 25 cm H ₂ O		
Flex pressure relief:	Bi-Flex		
Ramp time:	0 to 45 min. (5-min. increments)		
Starting ramp pressure:	4 to EPAP; patient-adjustable 4 to min. EPAP pressure	N/A	
Dimensions:	7" L x 5.5" W x 4" H 18 cm L x 14 cm W x 10 cm H		
Weight:	3 lbs; 1.36 kg (without humidifier)		
Filters:	Foam and optional ultra-fine		
Device set-up:	LCD/control wheel/push button		
Data storage capacity (minimum):	Display: Compliance VIC 7- and 30-day averages SD Card: >1 year On-board: up to 6 months		
Compliance meter:	Breathing detection		
Altitude compensation:	Automatic		
Electrical requirements:	100 – 240 VAC, 50/60 Hz		
Humidification:	Integrates with System One heated humidifier and pass-over humidifier		
Warranty:	Two years; replace with new		
Miscellaneous:	Lighted LEDs		

Ordering information			Ordering information		
Devices	Part number US/CAN	Canada	Accessories	Part number US/CAN	Canada
BiPAP Pro with humidifier, SD card, Bi-Flex	DS650HS	CA651HS	Foam filter kit	1063091	
BiPAP Pro with SD card, Bi-Flex	DS650S	CA651S	Ultra-fine filter kit	1063096	
BiPAP Auto with humidifier, SD card, Bi-Flex	DS750HS	CA751HS	System One heated humidifier	1056209	1056210
BiPAP Auto with SD card, Bi-Flex	DS750S	CA751S	Data management accessories	Part number	
Accessories	Part number		SD card (10 pack)	1063859	
System One Performance Tube 15 (15 mm)	1074400		SD card mailer (10 pack)	1065146	
Device side panel	1063784		SD card cover (attached to device)	1063858	
Water chamber	1063785		SD card reader	1073915	
Power supply	1063786		Wired flow modem	100200W	
Carrying case	1063857		Wired flow modem monthly service	100201W	
Power cord	1005894		Wireless flow modem	100200C	
			Wireless flow modem monthly service	100201C	

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

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