

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.



		Comfort features					
System One	Modes	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

		Encore patient management					
		Data transfer modes			Data capture		
System One	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			
Accessories	Part number		Data management accessories	Part number	
System One Performance Tube 15 (15 mm)	1074400		SD card (10 pack)	1063859	
Device side panel	1063784		SD card mailer (10 pack)	1065146	
Water chamber	1063785		SD card cover (attached to device)	1063858	
Power supply	1063786		SD card reader	1073915	
Carrying case	1063857		Wired flow modem	100200W	
Power cord	1005894		Wired flow modem monthly service	100201W	
			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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