

Good study results, better night's sleep

Alice PDx Diagnostic System

The Alice PDx is a portable, diagnostic recording device for OSA screening, follow-up and diagnostic assessment of cardiorespiratory sleep disorders. The Alice PDx enables you to test your patients outside of the lab without compromising study results, helping you to avoid the costs associated with retesting.

The Alice PDx incorporates our unique Good Study Indicator (GSI).* The GSI is predicated on airflow and oximeter signal quality and displays the amount of "good quality data" needed for a study to be complete and valid. The indicator measures patient airflow, gathered by the nasal cannula and/or the oral thermistor, airflow from therapy devices, and pulse oximetry, gathered by the SpO_2 sensor. Without either of these signals, the sleep study would be declared diagnostically invalid because of insufficient data.

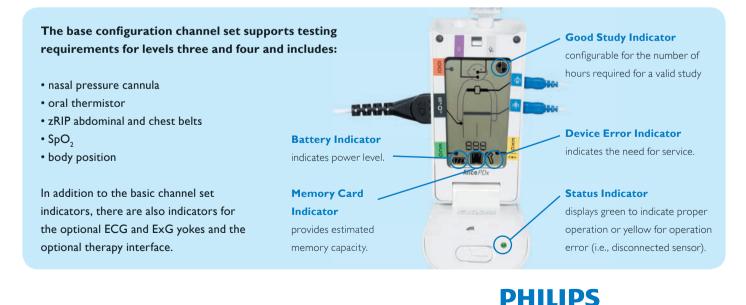


Optional equipment

ECG yoke; ExG yoke; ECG and neurological electrodes (for ExG); therapy device communication cable; ventilation device communication cable

Basic PC recommendations

- Windows-compatible personal computer running Windows Vista Business, Windows XP Professional or 2000 with a CD-RW drive.
- Intel Pentium 3 processor (500 MHz) or greater, 32-bit (x86) processor (1 GHz) required for Windows Vista computers
- 512 MB system memory, 1 GB or higher for Windows Vista computers





Product specifications

Specifications:

Total channels:	Up to 21 with Optional ECG and ExG Yokes
Base channels:	10 Channels: Pressure-Based Flow (w/snore)
	and Thermal Airflow, zRIP Effort (2), Body
	Position, SpO, (also Pleth and Pulse Rate)
	and Patient Marker. Up to eight parameters
	from Respironics therapy devices may be
	acquired, including pressure, flow and leak.
Optional yokes/	ECG Yoke; 7 channels: 3-lead ECG providing
channels:	3 measured and 4 derived channels
	ExG Yoke; 7 channels: 4 Neuro Channels
	(EEG or EOG) and 3 Differential EMG, plus
	references and ground
Input impedance:	10 M Ω hm per elec. 20 M Ω hm differential
	2 M Ω hm per elec. 4 M Ω hm differential
	2 M Ω hm per elec. 4 M Ω hm differential
Bandwidth:	ECG: 0.318 Hz to 81 Hz
	EEG: 0.318 Hz to 35 Hz
	EMG: 9.7 Hz to 86 Hz
Input signal range:	ECG: +/- 4 mV
	EEG: +/- 500 uV
	EEG: +/- 150 uV
Digital resolution:	Up to 16 bits
Initial sample rate:	Up to 1,000 Hz
Max storage rate:	200 Hz for ECG/ExG, 100 Hz for Effort and
	Thermal Flow, Pressure Flow 200 Hz, Snore
	500 Hz, Body Pos. 1 Hz
Communication	Serial Protocol USB PC cable, SleepLink
••••••	Serial Frotocol OSB FC Cable, SleepLink
interfaces:	and Serial communication cables for

System physical characteristics:

Alice PDx unit:	
Size:	5" L x 3" W x 2" H (12.7 cm x 7.62 cm x 5.08 cm)
Weight:	Approximately 8 oz (230 grams), (weight
	does not include batteries)
System power:	Three AA (1.5V) alkaline batteries, 0.43 watts
Requirements:	Alice PDx can support the use of
	rechargeable batteries

Ordering information:

-		
ltem No.	Description	
1043844	Alice PDx Device Kit, International	
Optional components:		
1048415	ExG Yoke, Alice PDx, International	
1040810	ECG Yoke, Alice PDx, International	
Accessories:		
1040806	Alice PDx to SleepLink Cable	
1040805	Alice PDx to RS-232 Sleep Therapy Cable	
927	3 foot SpO ₂ extension cable (Nonin)	
936	SpO ₂ Reusable Sensor, Adult Finger Clip	
953	SpO ₂ Reusable Flex Sensor, Adult	
954A	Adult Reusable Sensor Wrap (25/pack)	
P1328-60	Pro-Flow Nasal Canula, Adult (60/pack)	
P1379	Oral Thermistor, Alice PDx	
P1388	Nasal-Oral Thermistor, Alice PDx	
P1391	CPAP Titration Kit (for non-Respironics therapy devices)	
Software:		
1031854	Sleepware	

Respironics and Alice are trademarks of Respironics, Inc. and its affiliates. All rights reserved.



©2009 Koninklijke Philips Electronics N.V. All rights are reserved. Philips Healthcare reserves the right to make changes in specifications

and/or to discontinue any product at any time without notice or obligation and will not be liable for any consequences resulting from the use of this publication.

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

Broudy KB 01/08/09 MCI 4101970 PN 1057476

Respironics Asia Pacific +852 3194 2280

Respironics Europe Middle East, Africa +33 1 47 52 30 00

Respironics United Kingdom +44 800 1300 845 Philips Respironics 1010 Murry Ridge Lane Murrysville, PA 15668

Customer Service +1 724 387 4000 +1 800 345 6443 (toll free)

www.philips.com/respironics