Full-featured flexibility

Alice 6 LDx diagnostic sleep system

What if you could have a PSG system that helped you meet your ever changing business and clinical needs? Pair the LDx base station with either the LDxS or LDxN head box to have a full-featured, easy-to-understand system that allows staff to focus more on patients and less on equipment. The LDxS is the perfect front-line head box for most sleep center needs. Place the LDxN into use when you need to step up from the 19 EEG inputs on the LDxS to a full 32 EEG inputs. The LDx base station works with either head box, so it's easy to have the right capability where, and when, you need it.

- Integrated RIP driver, dedicated differential pressure transducer, and "keyhole" inputs (reduces the number of connections during hook up)
- Patent-pending chin EMG technology that monitors all three chin EMG inputs and selects the best pair in real-time
- 7 ECG channels (3 physical and 4 derived)
- Continuous impedance recording for quality control
- Up to 500 Hz recording
- Meets or exceeds AASM standards

PHILIPS
RESPIRONICS

*The AASM Manual for the Scoring of Sleep & Associated Events: Rules, Terminology and Technical Specifications, 1st ed.

Recognizing the clinical and business requirements of today's sleep professional

The LDx sleep system supports your staff's focus with easy-to-identify and easy-to-connect inputs on the LDxS and LDxN head box. The dedicated pressure transducer and integrated RIP driver simplify set-up. One LDx sleep system and your choice of either the LDxS or the LDxN head box provides optimal value to your lab. Give yourself flexibility to address each study with the right equipment for patient clinical needs.
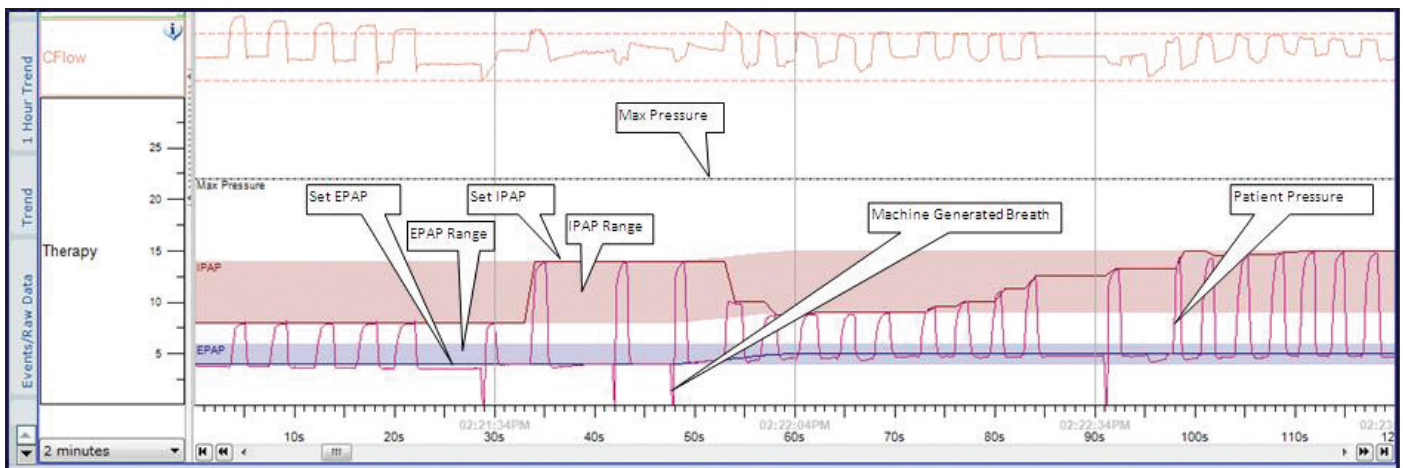
Value. Ease of use. Staff efficiencies.

The Alice 6 LDx supports the knowledge and skill of your staff and your business goals.

- Choice of LDxS or LDxN head box
- The system architecture requires only two LAN cables from the patient room to provide: data, Philips Respironics therapy control, intercom, audio, and video
- The head box perfectly balances a compact form-factor with easy-to-identify and easy-to-use inputs
- The system connects directly with the OmniLab Advanced, eliminating the need for interface modules and confusing cabling

Sleepware G3 diagnostic software

The Alice 6 LDxS and LDxN systems are powered by Sleepware G3 sleep diagnostic software, the same software used in our other Alice diagnostic products. Sleepware G3 incorporates a robust platform offering enhanced functionality to help busy lab managers better meet their workflow needs, regardless of the size of their lab:

- Control and protection against unwanted access to patient data
- Innovative composite channel type that is especially useful when evaluating the BiPAP autoSV Advanced on more complex patients
- Incorporates multiple therapy settings and patient pressures into one composite display (breath-by-breath basis or in a trend format)
- Helps clinicians assess patient needs quickly and respond with the appropriate treatment settings
- Only Philips Respironics and Sleepware G3 can provide this advanced composite channel

Sleepware G3 features an exclusive composite channel type, useful when titrating complex sleep apnea patients with the BiPAP autoSV Advanced. The channel integrates the various parameters available from the BiPAP autoSV so a clinician can see the relationships of the various parameters on a breath-to-breath basis. Additionally, this composite channel allows the clinician to eliminate the redundant channels from view, which provides them with better screen visibility to all of the data.

Alice LDx system with LDxS and LDxN head box.

Cost-effective field-conversion plan for Alice 5 owners available. Ask your Philips Respironics representative for details.

Philips Respironics is known for its service and support. Philips Respironics is the most "recommended" diagnostics supplier by sleep professionals in the U.S.*

*Data on file

Alice 5 and Alice 6 feature comparison

Product features	Alice 5	Alice 6 LDxS	Alice 6 LDxN
Total channels	55	55	68
EEG inputs	19	19	32
Dedicated EMG channels	5	5	5
Chin EMG inputs	2	3	3
Automatic chin EMG referencing	N	**Y**	**Y**
EOG channels	2	2	2
ECG channels	6 (2 physical and 4 derived)	**7** (3 physical and 4 derived)	**7** (3 physical and 4 derived)
"V" ECG input	N	**Y**	**Y**
Pressure transducer	PTAF Lite (flow only)	**Dedicated differential w/snore**	**Dedicated differential w/snore**
Flow (thermal)	Y	Y	Y
Snore	Y	Y	Y
Body position	1	1	1
Actimeter inputs	2	2	2
Light sensor	Optional accessory	Optional accessory	Optional accessory
Effort (chest/abdominal)	Piezo, RIP optional w/ additional module	**zRIP DuraBelt Integrated RIP driver**	**zRIP DuraBelt Integrated RIP driver**
Aux inputs/DC inputs	8	8	8
Battery	N	N	N
Signal resolution/bit	10,12 & 16 bit	16 bit	16 bit
Max sampling rate	2000 Hz	2000 Hz	2000 Hz
Max storage rate	200 Hz, limited 500 Hz	**500Hz**	**500 Hz**
Pulse transit time	Y	Y	Y
Electrode interface	Intuitive image	Intuitive image	Intuitive image
Digital Philips Respironics therapy device interface	Y	Y	Y
Bedside display	N	N	N
Connectivity	Capable (wired ethernet)	Capable (wired ethernet)	Capable (wired ethernet)
Pulse oximetry	Masimo	Masimo	Masimo
Internal memory/ data storage	60 GB hard drive	60 GB hard drive	60 GB hard drive
Video	Networked	Networked	Networked
Audio	Integrated with video +VOIP intercom	Integrated with video +VOIP intercom	Integrated with video +VOIP intercom
Warranty	2 years	2 years	2 years

Alice 6 base station

Size	14L x 5W x 12.5H (in): 35.6 x 12.7 x 31.7 (cm)
Weight	7.8 lb; 3.5 kg

Head box	Alice 6 LDxS	Alice 6 LDxN
Size	8L x 4W x 1.25H (in): 20.3 x 10.2 x 3.2 (cm)	9L x 4W x 1.25H (in): 22.9 x 10.2 x 3.2 (cm)
Weight	17 oz; 481.9 g	19 oz; 538.6 g

Alice 6 system power requirements

Power to main unit	6.25 VDC, 3 to 6 amps
Power supply	MW116 power supply 100-240; VAC, 50-60 Hz, 0.5-1.5 A

Hardware requirements

To experience the greatest benefit from your Alice 6 LDxS and LDxN systems, it is recommended that you are equipped with the following:

Windows compatible personal computer running Windows 8 Professional (64 bit), Windows 7 Professional (64 bit), Windows Vista Business (64 bit). Windows Server 2003, Windows Server 2008, and Windows Server 2012 are also supported but limited to offline use only.

- Dual core processors 2.3 GHz or greater or single core processor 2.8 GHz or greater
- 2GB of RAM minimum, 4GB recommended
- 100 MB of free space for the Sleepware G3 application
- 5 GB of free space for SQL Server Express and Sleepware G3 database
- 40 GB hard drive minimum. Estimated acquisition size is 1GB with audio/video
- Windows-compatible keyboard and pointing device (mouse)
- Microsoft* .NET framework 3.5 SP1 or later**
- Windows Installer 4.5 or later **
- Windows PowerShell*1.0 or later**
- SQL Server Express 2008 SP2 or later**
- Microsoft Word application (version 97 or later)
- PC direct
- 1 microphone (for intercom and audio recording/ playback)
- 1 set of speakers (for intercom and audio playback)
- Ethernet port

*Microsoft, SQL Server, and Windows are registered trademarks and PowerShell is a trademark of Microsoft Corporation.

** Indicates that these are provided with the installation of Sleepware G3.

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