













Company	Cadwell Laboratories Inc	CareFusion	CleveMed	Compumedics
Product Name	 Easy III PSG	 SomnoStar	 Sapphire PSG	 Grael
Website	www.cadwell.com	www.carefusion.com	www.clevedmed.com	www.compumedics.com
Meets technical and digital specifications listed in Section III of the new AASM scoring manual?	X	X	X	X
Selected Features	Complete 54-channel PSG system. Enterprise-driven design with remote access capability. Customized workflow and report generation. Clinical database and system scheduler included at no charge. Suitable for adult and pediatrics.	Calibrated Flow Volume Loops are unique to SomnoStar. The Heart Rate Variability report includes a full Poincaré plot with every patient recording ECG. Netlink amplifier with built-in pulse oximeter for PSG and EEG studies. Automatic on- and off-line scoring, high-resolution MPEG-4 video, and SQL Server database available in a variety of portable and fixed configurations.	Select from two wireless options, 900 MHz or 2.4 GHz, to best meet the needs in your facility. Studies are also saved inside the patient unit for ambulatory studies.	77 channels of High-Definition PSG (24-bit, 16 kHz sampling), designed to meet current AASM guidelines. One-piece design minimizes cabling and features mount with quick disconnect. Integrated oximeter, light sensor, and impedance indicators.
Company	Embla Systems	Grass Technologies	Natus Medical Inc	Nihon Kohden America
Product Name	 RemLogic PSG System	 Comet XL PSG System	 Natus Sleepworks PSG with XLTEK Connex amplifier	 AirPSG
Website	www.embla.com	www.grasstechnologies.com	www.natus.com	www.nkusa.com
Meets technical and digital specifications listed in Section III of the new AASM scoring manual?	X	X	X	X
Selected Features	Easy-to-use software exceeds the AASM requirements. Backed by 24/7 technical support. XactTrace RIP technology; complete sensor line.	Up to 50 total PSG and EEG channels. Technician-friendly electrode board with quick disconnect. Universal sensor compatibility. Lifetime warranty on Grass manufactured hardware.	50-channel Connex amplifier for PSG and EEG studies. Built-in Masimo pulse oximeter. Automatic on- and off-line scoring, high-resolution MPEG-4 video, and SQL Server database available in a variety of portable and fixed configurations.	Up to 64 channels of wireless EEG or PSG. 24 hours of battery operation and 900-ft range without signal loss. Optional Holter program. Customizable reports and ADT/HL7 capable.
Company	Philips Respironics	SleepVirtual	SOMNOmedics	Stellate (an Alpine Biomed company)
Product Name	 Alice 5	 Brain Wave II PSG (BWII PSG)	 SOMNOscreen plus PSG	 Harmonie-S Sleep System
Website	www.respironics.com	www.sleepvirtual.com	www.somnomedics-diagnostics.com	www.stellate.com
Meets technical and digital specifications listed in Section III of the new AASM scoring manual?	X	X	X	X
Selected Features	Fully integrated sleep laboratory system. Expanded channel capability to 55 total channels. Six-channel ECG with pulse transit time. Real-time impedance display. Integrated voice-over network intercom. Integrated Interscorer reliability tool.	AASM guideline compliant Type 1 system, fully equipped with 29 channels. Completely portable and lightweight. Test data conveniently stored on the Ethernet. No charge for scoring software.	Pocket-sized ambulatory and in-lab-online recording; wireless online transmission and data synchronization of digital video to raw data. Fully portable PSG system for maximum comfort of patient and physician enabling observed studies (via VPN) conducted at patient's home. Upgradeable to EEG 10-20.	Quick start, on-line sleep staging, on-line/off-line event editing, user-configurable sleep graphs, synchronized MPEG-4 digital video, Microsoft SQL database, and a 20-bit, 44-channel amplifier with variable sampling rates up to 2000 Hz.

Information for this guide based on data submitted by product manufacturers. Sleep Review strives for accuracy in all data but cannot be held responsible for claims made by manufacturers.