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Neurovirtual is proudly made in the USA, with headquarters in Fort Lauderdale, Florida, from which we provide 24/7 technical support to our customers for the useful life of their equipment. Our business structure eliminates the need to budget for software upgrades, as they are also included for the useful life of your equipment, including versions compatible with the next version of Microsoft Windows. We provide unique software customization and unlimited report templates, at purchase and in the future when your needs change. We pride ourselves in taking an innovative approach to our business model, keeping your sleep lab ahead of the curve.







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Company		Neurovirtual	Cadwell	CleveMed
PSG System		 BW3 PSG Plus	 Easy III	 Sapphire PSG
Website		www.neurovirtual.com	www.cadwell.com/psg-sleep-products	www.clevedmed.com
Description		Equipped with 50 channels, the BW3 performs clinical PSG and EEG from the same hardware and software platform. Hardware is portable via carrying case or can be permanently installed. Dual electrode/sleep sensor inputs on the head box and amplifier provide flexibility. Built-in pressure transducer on both head box and amplifier. Built-in Nonin pulse oximeter module.	The Easy III PSG system lets you record crystal clear signals with 4kHz sampling rate and bedside impedance checks. Protect your equipment with the remote input box and ensure recording integrity and provide patient convenience during in-lab sleep studies.	Sapphire is a totally wireless PSG system including A/V. 22 channels, compact, and easy to install. Patient unit includes head-box, data acquisition, memory storage, and real-time wireless transmission all in one small box. A small wireless receiver connects to a laptop/desktop in monitoring room. System includes all sensors, wireless A/V.
Warranty (years)		2	1	1
Maintenance Program		Available	Available	Available
PSG SOFTWARE	Year Introduced	2017	2007	2003
	Date of Current Version	2020	2020, April	2019
	Duration of Included Updates	for product lifetime	always	for 5 years
	Included Manufacturer Reports	All PSG software manufacturer reports included.	Defaults and custom reports included with new installation.	PSG, Titration/Split Night, MSLT.
	Users Can Create Reports	Yes	Yes	Yes
	Manufacturer Can Create Reports	Yes	Yes	Yes
	PSG Software Same as HST Software	Yes	Yes	Similar scoring and reporting
LAB MANAGEMENT SOFTWARE	Database Type	SQL-based	Proprietary	Proprietary flat-file
	HL 7 Enabled	Optional	Yes	No
AMPLIFIERS	Year Introduced	2012	2007	2007
	Sampling Rates (Hz)	2,000	4,000	256
	Amplifier Storage Rate (Hz)	500	250	256
	Transmission Mode	TCP/IP	Cat5/6	Wireless (2.4 GHz)
	Impedance Checks	Software, bedside	Software, bedside	Monitoring station
VIDEO	Available Lens Types	Fixed focus with digital zoom and PTZ with optical zoom	Varifocal fixed and PTZ	Any
	Adjustable Frame Rate During Collection	Yes	No	Yes
	Post-acquisition Editing	Yes	Yes	No



Company		Compumedics	Natus Medical Inc	Nihon Kohden America Inc
PSG System		 Grael 4K PSG:EEG with Profusion Sleep Software	 Natus SleepWorks with Embla NDx or SDx	 PSG-1100 Sleep System
Website		www.compumedicsusa.com	neuro.natus.com/products-services/natus-sleepworks-software	us.nihonkohden.com
Description		For those with a need for clearer, more precise data for sleep studies and a more advanced capabilities in data analysis and data management, the high-definition package from Compumedics delivers. It includes the latest digital amplifier technology and advanced applications software with available tools such as CAPS analysis and ECG analysis.	Embla NDx-102 channels, SDx-58; both with derived channels, nasal pressure, & built-in oximeter. Touchscreen base allows bedside impedance and biocals. SleepWorks offers review and analysis of PSG data & video during collection, and an integrated SQL distributed database enhances workflow on PCs with role based security and support for Microsoft BitLocker drive encryption.	The PSG-1100 amplifier incorporates the recommend AASM channel set and includes inputs for a 10-20 montage and 3 EKG inputs with dedicate reference. The PSG-1100 has built-in SpO ₂ , EtCO ₂ , pressure transducer, and bedside impedance check. The main unit of the PSG-1100 includes built-in memory and 6 DC inputs (expandable to 14).
Warranty (years)		1	1	1
Maintenance Program		Available	Available	Available
PSG SOFTWARE	Year Introduced	2014	2003	1998
	Date of Current Version	2019	2020	2020
	Duration of Included Updates	within-version updates	within-version updates	within-version updates
	Included Manufacturer Reports	AASM and CMS classification reports. Physician interpretation and diagnostic and split night reports.	Adult & pediatric diagnostic, split, titration, MSLT/MWT tabular & interpretation reports.	PSG, CPAP, SPLIT, MSLT, MWT, HSAT, scoring comparison reports & 26 other built-in reports.
	Users Can Create Reports	Yes	Yes	Yes
	Manufacturer Can Create Reports	Yes (fees applicable)	Yes	Yes (fees applicable)
	PSG Software Same as HST Software	Yes	Yes	Yes
LAB MANAGEMENT SOFTWARE	Database Type	SQL-based	SQL-based	MS-SQL
	HL 7 Enabled	Optional	Yes	Yes
AMPLIFIERS	Year Introduced	2016	2019	2013
	Sampling Rates (Hz)	16,384	4,096	Up to 2,000
	Amplifier Storage Rate (Hz)	4,096	256 - 4,096	200; 250; 500; 1,000; & 2,000
	Transmission Mode	Cat5e/6	TCP/IP or USB	IP addressable
	Impedance Checks	Computer, bedside	Control room, bedside	Control room, bedside
VIDEO	Available Lens Types	Fixed focus and PTZ	PTZ (standard or high-definition)	PTZ, auto/manual focus and fixed focus
	Adjustable Frame Rate During Collection	No	Yes	Yes
	Post-acquisition Editing	Yes	Yes	Yes



Nox Medical	Philips Respironics	SOMNOmedics America Inc	SOMNOmedics America Inc
 <p data-bbox="182 401 334 422">Nox A1 PSG System</p>	 <p data-bbox="474 401 703 422">Alice 6 LDxN with Sleepware G3</p>	 <p data-bbox="765 401 1070 422">SOMNOscreen HD with DOMINO Software</p>	 <p data-bbox="1161 381 1336 422">SOMNOscreen plus PSG with DOMINO Software</p>
<p data-bbox="172 443 344 464">www.noxmedical.com</p>	<p data-bbox="526 437 651 474">www.philips.com/sleepdiagnostics</p>	<p data-bbox="825 443 1010 464">www.somnomedics.com</p>	<p data-bbox="1155 443 1339 464">www.somnomedics.com</p>
<p data-bbox="102 499 414 692">Hospital-to-home diagnostic device with dual purpose of PSG in-lab testing with the ability to also work as home sleep test, able to perform level I, level II, and level III studies. Calibrated Nox RIP technology, wireless connectivity, continuous impedance control, built-in microphone, tablet application for mobile flexibility, designed for easy hookup experience.</p>	<p data-bbox="432 499 743 692">The Philips Respironics Alice 6 PSG systems are designed to help you meet your changing business and clinical needs. Features such as integrated RIP driver, dedicated differential pressure transducer, and direct digital connection to Omnilab Advanced+ and LoFlo EtCO₂ capnography allow staff to focus more on patients and less on equipment.</p>	<p data-bbox="762 488 1073 702">SOMNOmedics' most powerful & flexible sleep diagnostic tool—ambulatory or stationary; as a screener, PSG, EEG32—all with the same device. HD touch screen; true wireless technology & wireless PLMs; automatic sensor & electrode recognition—making montages a thing of the past; PC independent setup, bio-calibration & impedance check at bedside. FDA approval for pediatric use.</p>	<p data-bbox="1091 499 1403 692">The original portable PSG device—ambulatory or stationary; as a screener, PSG, EEG32—all with the same device. true wireless technology; color & mechanical coded inputs for sensors; PC independent setup, signal check at the bedside; re-chargeable battery; auto detection of sleep/wake; FDA approval for pediatric use; includes variety of sensors and analyses.</p>
2	2	2	2
Available	Available	Available	Available
2020	2011	2007	2007
2020, June	2020, October	2019, October	2019, October
for product lifetime	for length of hardware ownership	for product lifetime	for product lifetime
All PSG software manufacturer reports included.	8+ templates including options for PSG, Split, MSLT, and inter-scorer reliability.	User-defined reports according to modifiable templates as well as customer-specific reports.	User-defined reports according to modifiable templates as well as customer-specific reports.
Yes	Yes	Yes	Yes
Yes	Yes (4 hours of custom report programming included, additional by purchase)	Yes (fees applicable)	Yes (fees applicable)
Yes	Yes	Yes	Yes
File format	SQL	MS SQL, Access (MDB), My SQL, SQL Light	MS SQL, Access (MDB), My SQL, SQL Light
Yes	Optional	Optional	Optional
2020	2011	2016	2007
256,000	2,000	up to 4,000	up to 4,000
200	up to 500	up to 4,000	up to 4,000
Bluetooth/Cat5	Cat 5	Wireless	Wireless
Control room, portable tablet bedside	Workstation (default), bedside (optional)	Control room PC, device HD touchscreen at bedside, tablet	Control room PC, device at bedside, tablet
PTZ and fixed focus	PTZ and fixed focus	various video options available	various video options available
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes ●

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