

POLYSOMNOGRAPHY (IN-LAB)

Company	Cadwell Laboratories Inc	CareFusion	CleveMed	Compumedics USA Inc	Natus Medical Inc
Product					
Website	www.cadwell.com	www.carefusion.com	www.clevedmed.com	www.compumedics.com	www.natus.com
PSG SOFTWARE	Year Introduced 2007 Current Version Number 4.1.4	1986 11.1	2003 7.9	2007 4.1	1995 10.1.3
PSG SOFTWARE	Updates Policy Included	Included unless hardware/training required; included with service contract	Included during warranty period; discounted after	Updates within version included; charge for version upgrades (discounts with warranty/service contract)	Updates included; charge for upgrades
PSG SOFTWARE	Custom Reports Included	Included (customer may create own reports)	Included	Imbedded ProFusion Report tools in Microsoft Word	Additional fee
LAB MANAGEMENT SOFTWARE	SQL Based No	Yes	No	Yes	Yes
LAB MANAGEMENT SOFTWARE	Separate or Integrated with PSG Integrated	Integrated	Integrated	Integrated	Enterprise
LAB MANAGEMENT SOFTWARE	Queryable Search Engine Yes (via clinical database report generator)	Yes	No	Yes	Yes
LAB MANAGEMENT SOFTWARE	HL 7 Enabled Yes (optional)	Yes	No	Yes (optional)	Yes
AMPLIFIERS	Year Introduced 2007	2008	2007	2009	2012 (latest iteration)
AMPLIFIERS	Number of Channels 32-128	48	21	40 AC; 77 total	60 and 32
AMPLIFIERS	Number of Auxiliary Device Channels 8 DC; 12 EasyNet	16	1	16	8 DC
AMPLIFIERS	Works With Devices That Offer +/-1 or +/-5 Volts Yes	Yes	+/- 1 V only	Yes	Yes
AMPLIFIERS	Sampling Rates (Hz) 4,000	2,000	256	Up to 4,096 per channel; oximeter up to 256	N7000: 2,000; S4500: 500
AMPLIFIERS	AASM Compliant Yes	Yes	Yes	Yes	Yes
AMPLIFIERS	Transmission Mode Cat 5/6	Cat 5	Wireless	Cat 5e	IEEE802.11G; IEEE802.11B, TCP/IP
AMPLIFIERS	Warranty (years) 1	1 (extended available)	1	1	1
VIDEO	Fixed Focus or PTZ Both available	Both	Compatible with both	Both	Both
VIDEO	Integrated IFR Generator or Stand-alone Both available	Stand-alone	Integrated	Both available	Both
VIDEO	Adjustable Frame Rate During Collection No	Yes	Yes	No	Yes
VIDEO	Post-acquisition Editing Yes	Yes	No	Yes	Yes
VIDEO	Integrated Intercom Yes (optional)	No	No	Yes (Louroe)	Yes
TRANSDUCERS	RIP Belts (Reusable/Disposable) Both available	Both	Both available	Both available	Both
TRANSDUCERS	RIP Integrated to Amplifier or Requires Conditioner Box Conditioner box integrated in belts	Neither	Conditioner box	Integrated	Integrated
TRANSDUCERS	Installation Included in Purchase Yes	Yes	Yes	Yes	Yes

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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. All PSG makers may not be included. E-mail: stay@medqr.com to be considered for the next update.

Company	Nihon Kohden America Inc	Philips Respiration	Sleepvirtual	SOMNOmedics America Inc	SOMNOmedics America Inc
Product	 PSG-1100 Sleep System	 Alice 6 LDxN with Sleepware G3	 BW3 PSG Plus	 SOMNOscreen HD with DOMINO Software	 SOMNOscreen plus PSG with DOMINO Software
Website	us.nihonkohden.com	www.philips.com/sleepdx	www.sleepvirtual.com	www.somnomedics-diagnostics.com	www.somnomedics-diagnostics.com
PSG SOFTWARE	Year Introduced 1998 Current Version Number 9 Updates Policy Updates included; charge for upgrades Custom Reports Customer may create own; fees for custom reports created by Nihon Kohden	2011 3.8.1 Included Customer may create their own or 4 hours of custom report writing with system purchase	2015 1.95 Included Included	2007 2.8.0 Included Customer may create own report; company created templates	2007 2.8.0 Included; charge for upgrades Customer may create own, company created templates
LAB MANAGEMENT SOFTWARE	SQL Based Yes Separate or Integrated with PSG Integrated Queryable Search Engine Yes HL 7 Enabled Yes	Yes (via third party Lab Manager Solution) Separate Yes Yes (optional)	Yes Integrated Yes Yes	Yes PSG Integrated Yes Yes	Yes Integrated Yes Yes
AMPLIFIERS	Year Introduced 2013 Number of Channels 42 Number of Auxiliary Device Channels 6-14 Works With Devices That Offer +/-1 or +/-5 Volts Yes Sampling Rates (Hz) Up to 2,000 AASM Compliant Yes Transmission Mode IP addressable Warranty (years) 1	2011 57 8 Yes (+/- 1.65 V) 2,000 Yes Cat 5 2	2012 50 8 Yes 2,000 Yes TCP/IP 2	2016 70 16 Yes Up to 4,000 Yes Wireless 2	2007 58 16 Yes Up to 4,000 Yes Wireless 2
VIDEO	Fixed Focus or PTZ Both Integrated IFR Generator or Stand-alone Both Adjustable Frame Rate During Collection Yes Post-acquisition Editing Yes Integrated Intercom No	Both available Integrated on fixed focus; stand-alone on PTZ Yes Yes Yes (by VoIP)	Both Both Yes Yes Yes	Both available Integrated Yes Yes Yes	Both available Integrated Yes Yes Yes
TRANSDUCERS	RIP Belts (Reusable/Disposable) Both available RIP Integrated to Amplifier or Requires Conditioner Box Conditioner box Installation Included in Purchase No	Reusable zRIP DuraBelt Integrated Yes	Both Integrated Yes	Reusable RIP-belts Abdomen integrated, Thorax conditioner box Yes	Both Conditioner box Yes