

CATEGORY SPONSORED BY GENERAL SLEEP CORPORATION

General Sleep Corporation (www.generalsleep.com) is dedicated to providing clinicians and researchers with products and services that allow them to achieve maximum effectiveness in the diagnosis and study of sleep disorders. Our highly affordable Zmachine Synergy is a 9-channel, Type II, home sleep test that combines our FDA-cleared EEG-based sleep staging technology with a full complement of respiratory

sensors and tri-axis body position. Compact, easy-to-use, and multi-night capable, the Zmachine Synergy delivers everything you'd expect in a next generation home sleep testing system. We didn't invent the home sleep test, we just made it better!®

		Canaval Class		Advanced		DDAFDON Medical	
Company		General Sleep Corporation	Acurable	Advanced Brain Monitoring	Belun Technology	BRAEBON Medical Corporation	
HST Website		Zmachine Synergy www.generalsleep.com	AcuPebble 0x100 www.acurable.com	Sleep Profiler & PSG2 advancedbrainmonitoring.	Belun Ring BLR-100X beluntech.com/us	MediByte Jr www2.braebon.com	
Starting Purchase Price		Contact company	Contact company	Contact company Contact company		\$2,750	
Rental/Leasing Option		Yes	Yes	Yes	No	Yes	
Starting Price for Consumables/Study		Contact company; configuration dependent	Contact company	\$17.50	Contact company	\$7	
Type	Type II	Yes	No	Yes	No	No	
	Type III	Yes	Yes	No	Yes	Yes	
	Type IV	Yes	No	No	No	No	
Maximum Channels		9: EEG sleep staging, air- flow (cannula or Bi/CPAP interface), Bi/CPAP pressure, respiratory effort (RIP), snore, SpO ₂ , pulse rate, plethys- mography, tri-axis body position	8: SPO ₂ , PPG, pulse rate, activity (movement), heart sounds, respiration inhalation and exhalation patterns, airflow, snoring	13: EEG, LEOG, REOG, EMG or ECG, forehead pulse, snoring (dB), head move- ment, head position; PSG2 adds wireless finger SpO ₂ , pulse, nasal pressure airflow, optional thorax and abdomen piezo or RIP belts	5: Plethysmogram, pulse rate, heart rate variability, oximetry, actigraphy	8: airflow, snore, SpO ₂ , pulse rate, chest effort, body posi- tion, CPAP pressure, PPG	
Power Options	Disposable	No	No	No	No	Yes	
	Rechargeable	Yes	Yes	Yes	Yes	Yes	
Chain-of-Custody Assurance		Yes	Yes	No	No	Yes	
Warranty (years)		2	multiple options	2	1	1	
Dimensions (cm)		10.2 x 6.1 x 2.4	2.95 x 1.6 (neck sensor); 3.8 x 3.0 x 3.8 (finger sensor)	7 x 4.5 x 1.75	4.4 x 6 x 1.8 (ring); 3.2 x 10 x 5.9 (cradle)	6 x 6 x 2	
Weight (grams)		86	7 (neck); 15 (finger)	76	14 (ring); 97 (cradle)	90 (including battery)	
Memory (MB)		8,000	N/A	8,000	8 (ring); 128 (cradle)	256	
Recording Time (hours)		> 300	23	30	10 (ring); 120 (cradle)	18	
Features		A chest worn device that combines single-channel EEG sleep staging technology with traditional respiratory channels to report an AHI based on EEG-derived sleep time and body position (not just recording time). With one-touch controls, multinight recordings, and a full-color LED interface, the Synergy is now PAP compatible and backed by a HIPAA-compliant cloud portal.	AcuPebble SA100 is a small and noninvasive medical device offering a clinically validated home sleep test equivalent to the ambulatory gold-standard (cardiorespiratory polygraphy followed by manual specialist interpretation). The AcuPebble system accurately extracts multichannel information from 2 wireless devices (a neck and a finger sensor) to provide a complete sleep study report. It has received the CE mark in Europe and FDA 510k clearance in the US.	Scientifically-validated and editable autoscored full disclosure signals with fore-head-based self-application. For multinight evaluation of sleep architecture and sleep continuity in home or hospital, with auto-detection of sleep biomarkers associated with neurodegeneration. PSG2 upgrade enables auto-detection of apneas, hypopneas and RERAs, and REM-related SDB severity.	No need for phone pairing or WiFi. The FDA 510(k) cleared ring & artificial intelligence system measures AHI, sleep stages, and autonomic nervous system response. The cradle allows multiplenight testing (~14 nights) & acts as a digital sleep diary. 7 sizes of changeable ring arms. The web portal allows manual scoring and event editing. Optional smartphone application empowers remote data upload to check if a good study is recorded.	Local PC software or the BridgeBuilder Cloud Portal. SDB analysis including RERA, flow limitation, breath statistics, SpO ₂ perfusion. Carrying case, patient instructional video, USB cable. CPAP compatible, multiple nights, immediate report access, unlimited custom reports, locking connectors, stainless steel connector, LED study status indicator, all internal biosensors.	

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Company		Cadwell Industries Inc	Cerebra	CleveMed	Compumedics USA	Natus Medical Inc	Neurovirtual USA Inc
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		ApneaTrak	Cerebra Sleep System	SleepView	Somté	Embletta MPR-PG	BWMini HST Compass
Website		www.cadwell.com/ apneatrak	www.cerebra.health	www.clevemed.com	www.compumedics. com	neuro.natus.com/ products-services/ embletta-mpr-sleep- system	www.neurovirtual.com
Starting Purchase Price		\$3,250	Contact company	\$2,400	\$3,400	Contact company	Contact company
Rental/Leasing Option		Yes	Yes	Contact company	Contact company	No	No
Starting Price for Consumables/Study		<\$3; disposable kits: \$30	Contact company	\$20	<\$14	\$5-\$12	\$5
	Type II	Yes	Yes	No	No	Yes	No
Туре	Type III	Yes	No	Yes	Yes	Yes	Yes
	Type IV	Yes	No	Yes	Yes	Yes	Yes
Maximum Channels		13: thoracic/abdominal effort, pressure, pres- sure-based snore, snore sensor, thermistor, SpO ₂ , pulse rate, plethysmog- raphy, body position, 3 channels ExG	16: 2x frontal EEG, 2x EOG chin, EMG, nasal cannula, chest and abdomen effort (RIP belt), SpO ₂ , 2-lead ECG (heart rate), pulse 2x, leg EMG, audio, body position	8: heart rate, pulse oximetry, respira- tory airflow (CPAP compatible), RIP belt, snore, body position, auxiliary (second RIP, thermal airflow, or IDcheck), actigraphy	13: nasal pressure, snoring, CPAP mask pressure, thoracic and abdominal effort, body position, SpO ₂ , pulse rate, plethysmography waveform, signal quality, limb movement (or optional nasal thermistor), 2xEXG (EEG, EOG, EMG, ECG, or off)	19: pressure, sound, gravity (x/y/z), bipolar ExG, thermistor, thoracic effort (RIP), abdominal effort (RIP), DC (0-1V) battery, event buttom, SpO ₂ , SpO ₂ B-B, SpO ₂ quality, pulse rate, plesthymography, RD quality, PPG; + multiple derived channels. Optional proxies add up to 8 EEG, 2 EOG, 3 chin EMG, 2 channels leg EMG and 1 ECG channel	13: 2x RIP, pressure transducer, SpO ₂ , pulse, plethysmography, body position, 2x ExG; 3x DC channels, luminosity sensor
Power Options	Disposable	No	No	Yes	Yes	Yes	Yes
Opti Opti	Rechargeable	Yes	Yes	No	No	No	Yes
Chain-of-Custody Assurance		Yes	No	Yes	No	No	No
Warranty (years)		1	2	1	1	1	1
Dimensions (cm)		7.3 x 11.5 x 2.5	table top unit: 21 x 12 x 0.7; head-mounted unit: 63 x 38 x 28; chest- mounted unit: 140 x 36 x 24	7.62 x 6.60 x 1.78	11.43 x 6.35 x 3.05; sensor interface: 7.62 x 4.45 x 2.29	10.7 x 7.9 x 1.9	10.8 x 7.7 x 2.8
Weight (grams)		143.5	TTU: 280; HMU 56; CMU 81	57	200	153	90
Memory (MB)		128	32,000	1,000	N/A (compact flash card)	2,000	32,000
Recording Time (hours)		24	13	100	36	24	24
Features		Add Sleep Time to HSAT testing with ApneaTrak:TST or EnsoData integration. Three versions available: Core (Type III), Legacy (AASM-recommended parameters), TST (3xExG channels). Use the same sensors recommended for in-lab studies. Connection to the PC (zero-click) automatically downloads the recording, clears, recharges, and prepares ApneaTrak for the next patient.	Remote upload, autoscor- ing, Odds Ratio Product sleep depth algorithm.	Web- based software offers access to studies, scoring, and reports from anywhere facilitating collaboration between sleep labs and physician offices. Services are available for manual scoring and logistics for mail delivery to patient homes.	Carrying case included, will deliver results while patient is on CPAP, includes video instruction for patient, 24/7 technical support, and analysis, scoring, and reporting software. Designed for basic HST workflow with automated respiratory event analysis and customized reporting. Supports both nasal pressure and thermistor airflow signal.	Scalable multi-night recorder with auto or timed start options; high-resolution screen with signal display; signal test features (including impedance measurement), signal quality/status information; disposable and reusable sensors available. Compatible with Natus SleepWorks software.	A compact polysomnography type III and IV device powered by one AA battery, the HST Compass contains 2x AC bipolar channels, pressure transducer, integrated RIP interfaces, oximeter, integrated body position and DC channels—all embedded into a single module that will comfortably fit on the chest. Capability to see the traces and study information right on the screen.

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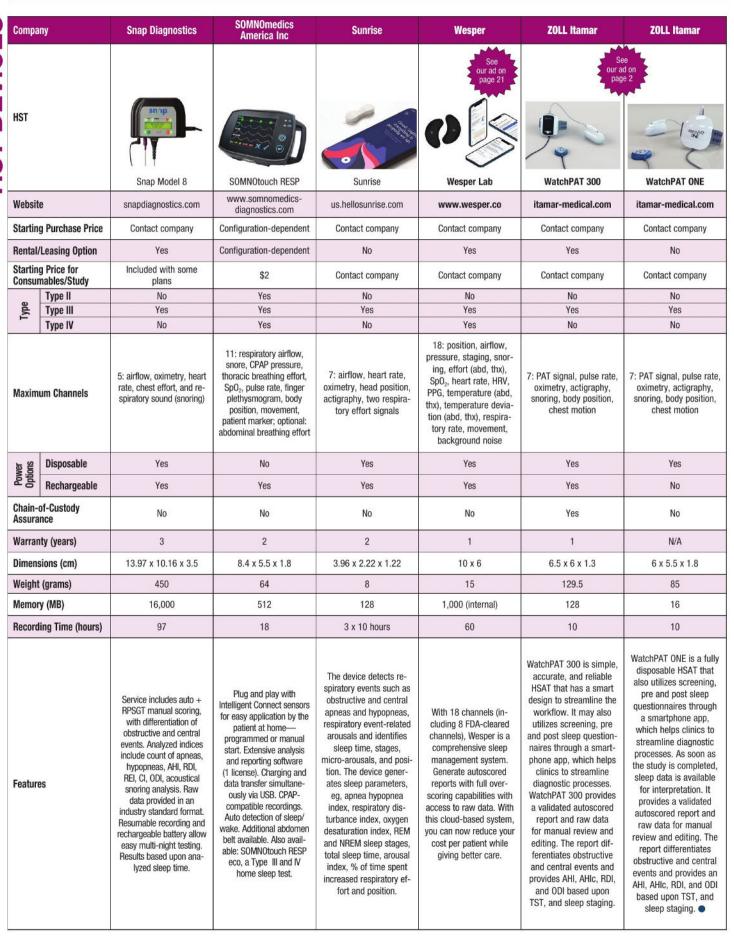
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