Company	Advanced Brain Monitoring	BRAEBON Medical	Cadwell Laboratories Inc	CleveMed
Product	 X4/Sleep Profiler	 MediByte Jr	 ApneaTrak with Easy III Software	 SleepView
Website	www.advanced-sleep.com	www.braebon.com	www.cadwell.com	www.clevemed.com
Cost to Buy	See website for introductory and research pricing	$2,750	$3,900 (standard)/$2,900 (recorder that uses disposable kits)	$2,400
Cost to Rent	$370/month		Contact seller	$825/quarter (includes web portal and study kits)
Owner's Warranty (years)	1	1	1	1
Cost of Consumables per Study	Depends on configuration	$7	$7 (standard version)/$20 (full disposable kit version: chest and abdominal belts, snore/airflow sensor, SaO_2 pulse oximeter probe)	$10 (included in rental)
Type	N/A	Type III	Type III and IV	Type III
Channels	8 channels: 3 channels frontal EEG, aux EMG or ECG, pulse rate, snoring (dB), head movement, head position	7 channels: oronasal airflow, snoring (airflow), CPAP flow, CPAP pressure, chest RIP effort, SpO_2, pulse rate, body position	10 channels: airflow (thermal sensor), nasal pressure/mask pressure, chest respiratory effort belt (choice of RIP or PVDF), abdomen respiratory effort belt (choice of RIP or PVDF), snoring microphone, snoring signal (pressure transducer), oximeter (SpO_2 sensor), pulse rate, body position, event button (marking lights on/off and/or other significant events)	8 channels: respiratory effort belt (RIP), body position, airflow (thermistor), airflow (pressure based), snore (from cannula), heart rate, pulse oximetry, actigraphy (with web portal)
Product Dimensions (cm)	5.33 x 3.81 x 1.91	6.35 x 5.72 x 1.91	9.4 x 8.9 x 2.0	7.62 x 6.60 x 1.78
Weight, including Batteries (grams)	70.87	90.72	28.34	57
Power	Built-in lithium polymer battery	1/2 AA lithium battery	NiMH battery	AAA battery
Memory Storage	Micro SD 2 GB	128 MB	512 MB, nonvolatile internal memory	100 MB internal storage
Recording Time Capacity (hours)	Up to 16	Two 9-hour nights	24 (1-3 nights of recording)	100
Features	Forehead-based full-disclosure signals auto-scored with validated algorithms that are editable. Ideal for multi-night pre- and post-treatment assessment of sleep architecture and sleep continuity. Validated EEG-based measures of sleep quality provide superior objective assessment. Real-time monitoring and voice messages ensure high-quality acquisition with data downloaded in seconds via USB 2.0.	Patented oronasal cannula. Full data disclosure auto-scoring software with all SDB analysis including RERA, flow limitation, and breath statistics analysis, SpO_2 perfusion indicator, carrying case, patient instructional video, USB cable. CPAP compatible, multiple nights, immediate report access, unlimited custom reports, locking connectors, stainless steel Lemo connector, LED status indicator, all internal biosensors, complies with guidelines.	Recording can be set to auto or manual. Provider can pre-configure to start, duration, and number of nights to be recorded. Carrying case included, connects to computer via USB port, capable of testing patient with CPAP, video instructions provided on DVD as well as online video instructions, 24/7 live technical support. Standard and disposable sensor options available. Recorder has sensor and recording status to reassure patient recording is proceeding as planned.	SleepView is a small, lightweight, AASM-compliant HST monitor designed to be easy for patients to use. The "Smart Check" feature indicates if a good study was recorded after each test by lighting green or red. SleepView uses a RIP belt, is CPAP compatible, and can collect multi-night studies. The optional ID check sensor can be used to verify patient identity. The HIPAA compliant SleepView Web Portal offers easy anytime access to studies, scoring, and reports, while facilitating collaboration between sleep labs and office based physicians, including IT management and data archival.

CleveMed	Compumedics USA Inc	Itamar Medical Inc	Natus Neurology	Nihon Kohden America Inc	NovaSom
SleepScout	Somté	WatchPAT Unified	Embletta MPR PG	Nomad	AccuSom
www.clevemed.com	www.compumedics.com	www.itamar-medical.com/unified	www.natus.com	www.nkusa.com	www.novasom.com
$5,990	$3,450	$4,950 (list price)	$3,889	Ask sales representative	N/A; the device is shipped to patients for testing, then shipped back to Novasom. (Cost for testing: $297 cash price or dependent upon insurance coverage)
N/A		$449/month	N/A		N/A
1	1	1 (extension available)	1	1	N/A
~$15	<$4	$40-$50 depending on volume	$10	$5	N/A
Type III	Type III	Type III	Type III; may be used for Type I and II with scalable add-ons	Type III	Type III
9 channels: thoracic effort, abdominal effort, body position, auxiliary DC (thermistor), airflow (pressure based), snore (derived from airflow), pulse oximetry, ECG, EMG	Up to 13 channels from 8 inputs: 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)	6 channels: PAT signal, pulse rate, oximetry, actigraphy, snoring (optional), body position (optional)	Pressure, sound, gravity (XYZ), bipolar ExG, thermistor, thorax RIP, abdominal RIP, DC, nasal flow, mask pressure, snore, sound amplitude, body position, activity, X sum, X flow	11 channels: thermistor, pressure transducer, snore, body position sensor (internal), SpO_2, pleth wave, pulse wave (derived from SpO_2), chest effort, abdominal effort, 2-EMG channels, 1-DC input	Respiratory effort, pulse oximetry, airflow, heart rate, snoring
11.7x 6.9 x 2.5	Recorder: 11.43 x 6.35 x 3.05; sensor interface: 7.62 x 4.45 x 2.29	8 x 5 x 2	10.7 x 7.9 x 1.9	11.77 x 7.24 x 2.54	12.5 x 8.5 x 2.5
190	232.46	130	153	481.94	450
2 AA batteries	NiMH	Proprietary, rechargeable Lithium Ion Battery + charger	AA	2 AA batteries	Lithium ion battery
Removable SD memory card up to 2GB	Compact flash card	Micro SD card min 64MB	2 GB Internal	2 GB internal memory	Will hold up to 4 nights of 8-hour sleep studies
160	36 (total)	10 (can be extended)	24	17	8
Extended HST channel set including both pressure and thermistor airflow. SleepScout works with Crystal PSG software including automated respiratory scoring. It can be used on patients while using CPAP. Includes a carrying case for patient use.	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 signals.	Total sleep time measurement allows for near-PSG respiratory indices and accurate AHI and lowers false negatives; with the new Unified single-finger sensor; oximetry is integrated in the PAT probe for better comfort, simplicity, and reliability; Cloud interpretation services by board certified sleep physicians; available in all 50 states	MPR PG is scalable to a Level I or Level II device with the addition of "proxy" devices	Connects to computers via USB port, connects to computer via serial port, will deliver results while patient is on CPAP, includes video instruction for patient, wireless, 24/7 technical support, and analysis, scoring, and reporting software.	AccuSom HSTs are delivered to the patient's door with easy-to-follow instructions and a phone call on the day of delivery. AccuSom provides continuous patient support throughout the testing process, including a 24-7 hotline and access to a live, US-based clinician. AccuSom results are delivered wirelessly to the interpreting physician the morning after completing the test.

Company	Nox Medical	Philips Respironics	ResMed	SleepMed	SOMNOmedics America Inc
Product	NOX-T3	Alice PDx	ApneaLink Air	ARES	SOMNOscreen plus
Website	www.noxmedical.com	www.philips.com/sleepdx	resmed.com/apnealinkair	www.sleepmedinc.com	www.somnomedics-diagnostics.com
Cost to Buy	Contact Nox Medical	Call your Respironics representative	$1,999	$2,995	Depending on channel configuration
Cost to Rent	Contact seller	$169/month (volume discounts available)	$169/month	$339/unlimited use monthly rental (device, technical edits, and study consumables included)	
Owner's Warranty (years)	2	2	2	Lifetime of rental	2
Cost of Consumables per Study	Depends on configuration	Call your local Respironics representative	$4	Included in rental	$1.60-$2.10 (depending on channel configuration)
Type	Type III	Type II, III, IV	Type III	Type III	Types I-IV
Channels	16+ channels: flow, snoring, 2x effort, RIP sum, RIP flow, SpO$_2$, pulse, plethysmogram, body position, activity, complete audio, cal. audio volume in dB, event, 2x ExG, information from up to 7 auxiliary devices with multiple channels per each one can be recorded via Bluetooth	20 channels: airflow/pressure, snore, thoracic/abdominal respiratory effort, SpO$_2$, pulse rate, body position/activity/EMG, EEG, event, EKG/ECG, pressure, flow, leak, pulse transit time, heart rate	Respiratory effort, pulse, oxygen saturation, nasal flow, snoring	10 channels: airflow (pressure), SpO$_2$, heart rate, acoustic snoring (dB & pattern), actigraphy (head position and movement), EEG/EOG/EMG (NREM/REM), respiratory effort (optional), behaviorally estimated sleep/wake, behavioral arousals, & signal quality	1-58 naso/oral flow (thermistor and nasal cannula), snoring, 2x RIP efforts (chest and abdomen), body position, SpO$_2$, pulse rate pulse waveform, pulse plethysmography, movement, motor activity, ambient light, patient marker, 2x PLM, EEG, EMG, EOG, ECG, AUX for external devices
Product Dimensions (cm)	7.9 x 6.3 x 2.1	12.7 x 7.62 x 5.08	6.2 x 10.2 x 3	6.35 x 5.08 x 2.54	13.97 x 7.112 x 2.79
Weight, including Batteries (grams)	88	218.29	66	96.4	258
Power	1 AA battery (alkaline, lithium, or NiMH)	3 1.5-V AA or 3 1.5-V AA NiMH rechargeable batteries; ~24 hrs	AAA alkaline batteries	2 X Lithium polymer rechargeable 250 mAh, >21hrs	2 Lithium batteries, rechargeable
Memory Storage	1 GB internal memory	SD flash card; 1 GB SD provided (up to 4 GB available)	512 MB	Internal SD flash memory card	High speed compact flash card (up to 2 GB)
Recording Time Capacity (hours)	Up to 24 (including true audio recording)	18-20	48	72	Up to 55
Features	Carrying case included, one click upload and analysis via USB port, wireless, CPAP compatible recordings, analysis, scoring, and reporting software, and hook-up instructions for the patient. Audio recording from a built-in microphone for improved snoring detection and frequency analysis, SpO$_2$, pulse and plethysmography from a wireless Bluetooth oximeter.	Carrying case included, will deliver results while patient is on CPAP, 24/7 technical support included. Patent-pending "Good Study Indicator" to evaluate test quality in the home. Patient Event Marker sets an event marker during recording. Optional equipment: ECG yoke, ExG yoke, ECG and neurological electrodes (for ExG), Alice PDx Sleeplink cable, Alice PDx RS232 Sleep Therapy cable.	ApneaLink Air is easy for patients and healthcare providers to use, with an intuitive start/stop button, a test complete light, and signal indicators, so that the test can be set up correctly the first time. Diagnostic features include Cheyne-Stokes probability detection and the ability to differentiate between obstructive and central sleep apnea.	AHI compliant with AASM and CMS; all signals integrated into compact forehead unit; validated automated analysis with data quality review by RPSGT for each study; voice prompted alerts to maximize signal quality; full-disclosure raw data available for review; AHI/RDI data are quantified across state, stage, and body position; integrated validated pre-test OSA risk questionnaire that automatically populates into the fully editable clinical report. Numerous validation studies showing very strong PSG concordance, sensitivity, specificity, and low failure rate. Online library of educational resources available to physicians. ARES may be equipped with an optional piezo-crystal belt upon request.	Carrying case included, connects to computers via USB port, will deliver results while patient is on CPAP, wireless, 24/7 technical support, and analysis, scoring, and reporting software. Miniaturized, portable and flexible, continuous impedance check, 2 software licenses included, interchange head boxes from 4 to 33 channels, CPAP compatible, software with Easy Start function, blood pressure software PTT, ambulatory and online (real-time wireless data transfer via Bluetooth), flexible for any configuration from screener to a full PSG.