





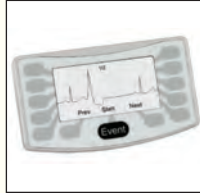




Company	BRAEBON Medical Corp	Cadwell Laboratories Inc	Compumedics	Embla Systems Inc	Itamar Medical
Product Name	 MediByte Jr	 Easy Ambulatory PSG	 Somté	 Embletta Gold	 Watch-PAT 200
Website	www.braebon.com	www.cadwell.com	www.compumedics.com	www.embla.com	www.itamar-medical.com
Cost/Warranty	\$2,750 (RIP belt included)/1 year	Varies based on channel configuration/1 year	\$4,495 (promotional pricing)/1 year	\$3,500/2 year	\$4,400/1 year; extended warranty: \$425
Cost of Consumables per Study	\$7	Varies by configuration	<\$9 per study	\$5-\$7 cost per use	\$60 per test
Type	Type III	Types I to IV	Types III and IV	Type III	Type III
Total Number of Channels and Channel Description	6 Channels flow, snoring (flow), chest RIP effort, Spo ₂ , pulse rate, body position	1-32 Channels EEG, EOG, EMG, EKG, thermal airflow, snoring microphone, nasal pressure, airflow, nasal pressure snoring, oral pressure airflow, oral pressure snoring, oral/nasal airflow, oral/nasal snoring, RIP (chest), RIP (abdomen), body position sensor, Spo ₂ , oximeter, pulse rate, leg accelerometers, arm accelerometers, single channel amplifiers	13 Channels 2 EXG (EOG, EEG, EMG, ECG), pressure, airflow, snore, thoracic effort, abdominal effort, limb movement, body position, Spo ₂ , pulse rate, pulse waveform, oximeter signal quality	9 Input-14 Channel includes all inputs and derived channels	7 Channels PAT respiratory analysis (signal & amplitude), oxygen saturation, pulse rate, actigraphy, snoring (in decibels), body position, sleep time, sleep stages
Product Dimensions	2.8" H x 3.0" W x 0.75" D	7.5" x 4.5" x 1.5" (recorder/battery)	Main unit: 4.4" W x 2.5" H x 1.0" D. Patient input box: 2.1" W x 3.3" H x 1" D	0.9" H x 2.8" W x 5.5" L	3.1" x 1.9" x 0.8"
Weight (including batteries)	3.2 oz	19.2 oz	8.2 oz	7.8 oz	4.5 oz
Power	½ AA lithium battery	C cell (30 hrs), D cell (70 hrs)	2 AA alkaline or NiMH rechargeable	Built-in rechargeable batteries	1 rechargeable lithium ion 250 mAh; ~16 hours
Memory Storage Description	128 MB internal	Compact flash 2 or 4 GB (maximum of 150 hrs with 4 GB)	Compact flash up to 2 GB capacity, standard 512 MB	SD RAM	MicroSD RAM
Recording Time Capacity	Two 9-hour nights	Up to 6 days depending on the specific configuration	2 days	Up to 3 sleep studies or multiple start and stop times	3 days
Basic Features	Type 3 recorder, full data disclosure, manual and automatic scoring	Carrying case included, connects to computers via Ethernet port, will deliver results while patient is on CPAP, 24/7 technical support included, analytical software included.	Carrying case included; includes video instruction for patient; 24/7 technical support included; analysis, scoring, and reporting software included.	Carrying case included, connects to computers via USB port/serial port, will deliver results while patient is on CPAP, includes video instruction for patient, 24/7 technical support included, analytical software included.	Carrying case included, connects to computer via USB port, includes video instruction for patient, 24/7 technical support included, analytical software included at no extra charge.
Additional Features	CPAP compatible, locking connectors, stainless steel Lemo connector, all internal biosensors, complies with guidelines.	Cadwell offers a single channel amplifier that can be used for an active/ref pair, and they can be daisy chained together. For a Type III or IV study, the 23 channel amp is not even needed.	No PC required for setup or to review signal quality. RIP technology integrated. Built-in LCD display ECG analysis software available.	Packaged free and easy to use software, patient setup instruction card, color-coded inputs for ease of use, low cost per use, lightweight, comfortable, durable, meets AASM Home Sleep Testing criteria. Compatible with Enterprise™ Sleep Business and Patient Management software, and Cardiopulmonary Coupling Module for a picture of patient sleep quality, and predicting treatment efficacy.	Immediate sleep study reports (no extra cost), one-click Web uplink, tamper-proof ID bracelet for trucker testing (optional), multnight capability, single button operation, less than 2% failure rate, sleep stages: REM, deep, light, wake; RDI, AHI, ODI based on actual sleep time.

Nihon Kohden America Inc	NorthEast Monitoring Inc	NovaSom Inc (formerly known as Sleep Solutions Inc)	ResMed
			
Nomad	OxyHolter with LX Sleep	NovaSom Home Sleep Test	ApneaLink Plus
www.nkusa.com	www.NEMon.com	www.novasom.com; www.apnea.com	www.resmed.com
\$4,675 includes sensor and software	\$4,495/3 years (option for additional 2 years for a total of 5 years)	Turnkey service model for providers, no investment required	\$2,490 (includes accessories for 3 studies)/2 years
\$5	\$4 (approximately)	No charge to providers	\$7-\$10
Type III	Type III (OxyHolter/A)	Type III cardio-respiratory monitor	Type III
11 Channels thermistor, pressure transducer, snore (derived from pressure transducer), body position sensor (internal), Spo ₂ , pleth wave (derived from Spo ₂), pulse wave (derived from Spo ₂), chest effort, abdominal effort, 2-EMG channels, 1-DC input	6 Channels EKG 1, airflow (OxyHolter/A) or EKG 2 (OxyHolter), Spo ₂ , HR1 from Spo ₂ , HR2 from EKG, respiration via eDRS (EKG-derived respiratory signal)	5 Channels Respiration (direct oral and nasal airflow), chest effort, oxygen saturation, heart rate, and snoring	4 Channels nasal flow (and snore), pulse, oxygen saturation, respiratory effort
4.625" x 2.85" x 1.0" (L x W x D)	4.7" x 2.7" x 1.0"	Bedside data recorder – 8.42" L x 7.28" W x 2.46" H; patient module 2.67" L x 3.98" W x 1.12" H	4.6" x 2.4" x 1.2"
17 oz	7 oz	Bedside data recorder 3.0 lbs; patient module 6.4 oz	4.5 oz, includes batteries and oximetry
2 AA batteries	2 AA batteries; lithium—72 hrs; alkaline—48 hrs; rechargeable—24 hrs	12V DC	2 AA batteries, single use or rechargeable
Internal memory 2 GB	32 MB to 1 GB compact flash	Internal NVRAM, SRAM, and flash memory	15 MB internal RAM
17 hours	Memory requirement is ~25 MB/24 hour	Up to 56 hours (up to 7 nights for 8 hours per night)	Minimum 8 hrs, up to 15 hrs
Auto start upon valid pulse signal, color-coded sensors and sensor receptacles, optional cellular interface for remote monitoring, Bluetooth interface, neoprene pouch, built-in body position monitor, built-in pressure transducer, 2 GB of onboard data storage, USB interface to PC.	Carrying case included, data card reader connects to computer via USB port, will deliver results while patient is on CPAP, 24/7 technical support included, analytical software included.	Test shipped direct-to-patient; data download at NovaSom logistics center upon return; biomedical inspection performed between every test; QSG software processes data real-time; output to Study Viewer for qualified physician interpretation; results via MediTrack within 48 hours; live clinical/technical support to patients 24/7.	Automatic analysis, AASM definitions as default, configurable parameters; comprehensive, customizable report with easy to understand graphic AHI indicator and ability to add business logo; customizable flow signal view with manual editing; proprietary respiratory effort sensor; Cheyne-Stokes probability detection; e-mail report and/or complete study; exportable to EDF, EDF+, and CSV.
With Polysmith Software Package: schedule HST patients on DMS calendar, initialize recorder from calendar interface, initialize recorder from Polysmith interface, auto configure Polysmith for analysis by the type of recorder being used (Type II or Type III) when recording is loaded, store recorder Type (I, II, III) with each study for easy query, view live data on Polysmith acquisition screen, standard or custom reporting for any Type (I, II, III) of recording, social history questionnaires to correlate sleep habits with outcomes and aid with scheduling.	Highly automated, repeatable, consistent AHI measurement; ideal for pre- and post-treatment efficacy assessments; 95+% sensitivity & specificity for OSA vs concurrent PSG studies; system includes recorder, cable, analysis software, training, installation assistance, 3-year warranty. Additional DR180+recorders+OxyHolter cables from \$2,695.	On-board voice prompts guide patients through setup and operation, alert if sensors dislodged; patented acoustic airflow sensor has linear equivalence to pneumotach in clinical studies; audio DSP technology is used to analyze breathing events, using adaptive noise-cancelling filters to remove ambient sound and produce a pure respiration signal.	Extended report includes event graphic page; five measures of oxygen saturation; carrying case included; connects to computers via USB port; includes video instruction for patients and clinicians; 24/7 technical support included; program software included, backwards compatible to all versions. No license fees.

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¹ Study details at www.clinicaltrials.gov ID NCT01013207