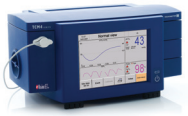
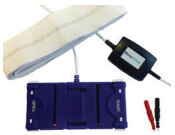
Company		Beddr	Belun Technology Company Ltd	BRAEBON Medical	Compumedics USA	
Product		 Beddr SleepTuner	 Belun Ring	 Disposable RIP Belt (#5573)	 Compumedics Ag/AgCl Sintered Disposable Cup Electrodes	 Compumedics Microphone—Tracheal
Website		www.beddrsleep.com	www.beluntech.com	www.braebon.com	www.compumedics.com	www.compumedics.com
Type/Technology		Sensor	Wearable sensor integrated with artificial intelligence (AI)	Respiratory inductive plethysmography (RIP)	Disposable electrode	Snore sensors/microphone
Warranty (months)		12	12	N/A (disposable)	N/A (disposable)	3
PATIENT RANGE	Infant				X	X
	Pediatric			X	X	X
	Adult	X	X	X	X	X
Cleaning Instructions		Sensor is reusable and intended for single user but can be associated with up to 5 separate user accounts in the mobile app. Wipe the sensor and outer surfaces using a lint-free cloth lightly dampened with water. Do not use any cleaning solution.	Wipe with a small amount of rubbing alcohol.	N/A (disposable)	N/A (disposable)	Can be cleaned with non-corrosive, hospital-approved disinfectant.
Additional Information		The Beddr SleepTuner combines a sensor and iOS app. It is an FDA-registered Class II medical device that can be used for multiple nights at home to measure SpO_2, stoppages in breathing, heart rate, and sleep position. App provides personalized data and insights. Worn on the forehead, the SleepTuner is compatible with nearly all CPAP masks.	Newly FDA 510(k) cleared, Belun Ring is a noninvasive and standalone pulse oximeter ring, intended for spot-checking of oxygen saturation of arterial hemoglobin (SpO_2) and pulse rate of adult patients in hospital and home environment. It is integrated with an app that analyzes user data using artificial intelligence.	Works with virtually all RIP systems.	Packaged with a variety of colors and lengths. Designed with high strength molding for endurance.	Highly sensitive tracheal microphone. Call Compumedics at 1-877-717-3975 for additional information.

Dymedix Diagnostics		Eight	Libelium	Millar Inc	Nihon Kohden America Inc	Philips Respironics
 FastTrack Effort Pack	 PerfectFit 3D Disposable Effort Belt Kit	 The Eight Smart Mattress	 MySignals Kit	 Mikro-Cath	 NE-134A	 LoFlo
www.dymedix.com	www.dymedix.com	www.eightsleep.com	www.my-signals.com	www.millar.com	us.nihonkohden.com	www.philips.com/sleepdx
Disposable respiratory effort system	Polyvinylidene fluoride (PVDF) film technology	Consumer electronics/sleep optimization technology	Sleep apnea and snore monitoring development kit	Airway pressure catheter (high-fidelity, real-time, repeatable pressure data)	Electrode	Monitors airflow and CO_2
N/A (disposable)	24	Mattress: 120; Technology layer: 12	12	N/A (disposable); 2-year shelf life from time of manufacturing	3	12
X	X				X	
X	X	X			X	X
X	X	X	X	X	X	X
N/A (disposable)	Signal conditioning module may be cleaned with non-corrosive hospital-approved disinfectant. The effort belt sensors can be soaked for a short period or wiped with a disinfecting cloth.	The top layer has received a hydrophobic treatment so is water- and stain-resistant, but not waterproof. Use a damp cloth for spot treatments. It is not machine-washable. User can optionally add a mattress protector (over the technology layer).	Clean all sensors after use. Between uses, place inside the plastic bag and put the provided chamois cloth (or any other protector) on top.	N/A (disposable)	Electrodes: use warm soapy water; rub gently with gloved fingers or cotton swab. Dry with cotton cloth; use alcohol for usual cleaning. Use ethylene oxide gas or invert soap, if disinfection (or sterilization) is needed.	Cloth dampened with isopropyl alcohol 70%, a 10% aqueous solution of sodium hypochlorite, a 2% glutaraldehyde solution, ammonia, mild soap, or disinfectant spray cleaner. Wipe with clean water-dampened cloth. Dry.
A completely disposable respiratory effort system with disposable, cut-to-size button-hole sensor straps. Plug and play; throw it away.	Effort belt sensors incorporate PVDF film technology that provides a more responsive, linear, and stable signal compared to other effort belts. Kit comes with 5 50-yard rolls of belt strap. Complies with AASM Technical Specifications.	Founded in 2014, Eight is developing AI and machine learning models to track bio signals during sleep. The Eight Smart Mattress features sensors embedded into the bed's surface that track and report 15 different metrics including sleep stages, sleep duration, bed temperature, heart rate, and respiratory rate.	A development platform for medical devices and eHealth applications, the kit includes software platform with sensors for SpO_2, body position, airflow, snore, and blood pressure. These are not medical devices or healthcare services. They are intended to serve as an R&D platform for research, product development, and education.	Catheter tip size is 3.5F (0.046" outer diameter). Use < 24 hours. Accuracy = +/- 1.4 cm H_20 +/- of reading from -68 cm H_20 to +68 cm H_20. It is currently being used to measure esophageal pressure changes and monitor upper airway pressures in different sleep stages.	Silver/Silver Chloride electrodes, 1.5 mm touch proof connectors and cable length is 1.5 m. Twelve electrodes per box.	No calibration required; cell and filter are removable; connects easily with a single USB connection; whisper-quiet.

ELECTRODES, MONITORS, & SENSORS

Company		Radiometer America Inc	Rhythmlink International LLC	SenTec	SLP	VirtuOx Inc	
Product		 TCM Tosca	 Disposable EEG Electrodes and Disposable Recording Sticky Pads	 SenTec Digital Monitoring System (SDMS) with V-Sign Sensor	 SleepSense Disposable Inductive System	 VPOD VeriSleep	 VPROBEs
Website		www.radiometeramerica.com	www.rhythmlink.com	www.sentec.com	www.sleepsense.com	www.virtuox.net	www.virtuox.net
Type/Technology		Transcutaneous monitoring measuring transcutaneous pCO_2, SpO_2, and pulse rate	Electrode	Digital Severinghaus electrode-reflective pulse oximetry combination	Inductive plethysmography	Chain of custody solution for HST equipment	Compatible reusable/ disposable probes
Warranty (months)		12	N/A (disposable); shelf life of 5 years	Sensor: 18; Monitor: 24	Buckle: 12; Belts: N/A (disposable)	12	3
PATIENT RANGE	Infant	X	X	X			X
	Pediatric	X	X	X			X
	Adult	X	X	X	X	X	X
Cleaning Instructions		Wipe sensor head and cable with cloth moistened with 70% alcohol. Wipe monitor exterior and touchscreen using either 70% isopropyl alcohol, 70% ethanol, or 4% Diversol BX solution, dissolved in water, on paper towel or tissue.	N/A (disposable)	Provided with product; clean with alcohol wipe.	Wipe the reusable buckle with any cleanser that is non-corrosive to plastic. Belts are disposable.	The probe, cable, and VeriSleep device may be cleaned with non-corrosive, hospital-approved disinfectant.	The probe may be cleaned with non-corrosive, hospital-approved disinfectant.
Additional Information		The system uses a single sensor for continuous monitoring of ventilatory status and oxygen saturation. Monitor pCO_2, SpO_2, and pulse rate, and connects to PSGs for overnight monitoring of ventilation and oxygen saturation in patients with SDB. No wait for calibration.	With 3 styles to choose from (Deep Cup EEG Electrode, Slim Cup EEG Electrode, and Flat Webbed EEG Electrode), customize the product for each patient. Add Recording Sticky Pads, available in 2 sizes and various lead wire lengths, for general EMG, chin, legs, etc. Samples and cost analysis assistance upon request.	Combining $tcPCO_2$, SpO_2, and pulse rate in a single digital sensor, SDMS enables assessment of ventilation and oxygenation status. Calibration interval of up to 12 hours. Connect the SDMS with your existing poly(somno)graphy system to retrieve readings and/or use the included software for data download, analysis, and reports.	The SleepSense Disposable Inductive System features pre-cut disposable belts in 2 adult sizes (120 cm, 150 cm). The Reusable Inductive Interface Buckle is designed with 2 easy open tabs that securely hold the belt in place and allow for easy adjustment. Available for nearly any PSG.	VPOD VeriSleep device ensures that the correct patient is wearing the HST device. It is compatible with most HST devices on the market today.	Get compatible reusable and disposable probes at a 25% cost savings compared to several name brands.