

PRODUCT
GUIDE



BRAEBON
For Today's Business of Sleep™



For Today's Business of Sleep.™

BRAEBON has evolved into a single-source provider of PSG sensors, accessories, Home Sleep Testing (HST) systems and software solutions for sleep medicine.

Our mission is to be *the* company to provide valued alternatives in sleep diagnostics.

We have developed a unique combination of products at the forefront of technology, for today's busy environment of sleep medicine.

These products include:

ULTIMA
SENSORS™

A premium family of PSG sensors and cannulae developed for dependability and reliability.

MEDI BYTE®
JUNIOR

A level 4 HST 6-channel screener upgradable to level 3.

MEDI BYTE®

A miniature 12-channel HST diagnostic recorder that can record up to 24 hours on a single battery.

PURSUIT
OUTCOMES™

A multi-site, comprehensive business workflow process software solution that can work with most PSG systems.

Our commitment includes unparalleled after sales support with industry-leading warranties, our Rapid Replacement Program, and support that never sleeps.

BRAEBON is aware of the many options available when purchasing HST equipment and accessories; our goal is to provide quality alternatives that are easy to use, more reliable and with better support.



BRAEBON™
is an ISO 13485
and CE compliant
company.

Airflow Sensor Technology.



Airflow Temperature Sensor Models 0510, 0510SE, 0510Ped

- Most comfortable design available
- No prongs to go up the nose
- Connects directly to the headbox
- Longest warranty in the industry
- Warranty: 7 Months



Patented cTherm Cannula Thermister Airflow Temperature Sensor Models: 0514,0514A5, 0514Ped, 0514A5Ped

- Works well with any cannula
- No prongs to go up the nose
- Connects directly to the headbox
- Designed to comply with new guidelines
- Warranty: 6 Months



Airflow Sensor Model 5512

- Thermocouple technology - battery free
- Measures both Oral and Nasal Airflow
- Two 1.5 mm safety connectors
- Cable length 84 inches (210 cm)
- Warranty: 6 Months



Airflow Temperature Sensor Model B1221

- Ideal for use during CPAP titration
- No prongs to go up the nose
- Connects directly to the headbox
- Longest warranty in the industry
- Warranty: 6 Months

By reducing our manufacturing costs through innovative sensor and cannula design, BRAEBON passes the savings on to the customer.

All products are backed with specific, unlimited-use customer protection warranties.

High Output Connectivity.

Piezo Effort Belts



Respiratory Effort Sensor Model 0528

- High output up to five times stronger than others
- Designed to reduce false paradoxical effort
- Connects directly to the head box
- Available for most PSG systems in pediatric and adult sizes
- Warranty: 1 Year

Piezo Belt Models:

- 0520: 1.5 mm safety pins with loops - 6.5' cable (includes 0523-3, 0523-5)
- 0522: 1.5 mm safety pins with buckles - 6.5' cable (includes 0526-3, 0526-5)
- 0528: High Output with buckles & 1.5 mm safety pins (Alice* 5 Compatible) (shown)
- 0528A: Alice* 3 compatible with buckles
- 0528A4: Alice* 4 compatible with buckles
- 0529: High Output with loops & 1.5 mm safety pins (includes 0523-2, 0523-4)

Our Piezo Respiratory Effort Belts are compatible with most polygraphs and computerized PSG systems and install quickly and easily:

Connect them directly to your AC headbox - no batteries required!



Piezo Accessories:

- Model 0523-2: 2-feet Velstretch Loop Belt (orange)
- Model 0523-3: 3-feet Velstretch Loop Belt (black)
- Model 0523-4: 4-feet Velstretch Loop Belt (green)
- Model 0523-5: 5-feet Velstretch Loop Belt (red)
- Model 0526-2: 2-feet Velstretch Buckle Belt (orange)
- Model 0526-3: 3-feet Velstretch Buckle Belt (black)
- Model 0526-4: 4-feet Velstretch Buckle Belt (green)
- Model 0526-5: 5-feet Velstretch Buckle Belt (red)

Effortless Effort Measurement.

RIP Belts

New guidelines require the use of inductive plethysmography for effort measurement and BRAEBON's new Q-RIP™ effort system is the better solution! Our one-size-fits-most belt uses the correct X-Y axis for inductance measurement. Our interface unit always includes the sum output and the unit is smart enough to turn itself off after 10 hours. This premium high quality product is durable and backed by a one-year warranty on belts and interface.



Q-RIP Respiratory Inductive Plethysmography Kit - 0570

- Superior quality RIP system
- Senses changes in respiratory effort
- Features 10 hour auto-off
- Detect Chest & Abdominal Effort and SUM
- Kit includes the belts and all needed cables
- Warranty: 1 Year



Q-RIP Belts - 0572, 0572L, 0572Ped

- Premium Respiratory Inductive Plethysmography Belts
- 0572 - One-size-fits-most adult belt (24" - 48")
- 0572Ped - Pediatric Adjustable RIP Belt (12" - 24")
- 0572L - Extra Large Adjustable RIP Belt (48" - 72")
- Warranty: 1 Year



Selection, Quality and Innovation.



Differential Pressure Transducers

Models 0580, 0580L, 0580D, 0580Pes

- Superior quality differential pressure transducers
- Senses subtle pressure changes in airflow and snoring
- Features 10 hour auto-off
- Detect Nasal and Oral breathing
- Warranty: 1 Year

These compact battery operated pressure transducers use state-of-the-art-miniaturized technology to detect and reproduce waveforms associated with respiratory airflow and snoring.

Developed by an experienced team of industry leaders, our transducers ensure superior quality and provide all you need to perform high quality and reliable recordings.



PTLite - Model 0580L

Low Gain Differential Pressure Transducer Starter Kit

- Includes 2 x 0589 & 3 x 0582S cannulae
- Ultima Pressure Sensor Interface - model 0586L included
- Ultima Pressure Sensor - model 0581L
- Up to three outputs: raw airflow, filtered airflow and snoring



PT1 - Model 0580

Low Gain/Hi Gain Differential Pressure Transducer Starter Kit

- Includes 2 x 0589 & 3 x 0582S cannulae
- Ultima Pressure Sensor - model 0581
- Compatible with most PSG systems. Various connectors available
- Up to three outputs: raw airflow, filtered airflow and snoring



PT2 - Model 0580D

Dual Airflow Differential Pressure Transducer

- Includes 2 x 0582S & 2 x 0589
- Compatible with most PSG systems. Various connectors available
- Up to six outputs: raw airflow, filtered airflow and snoring



Pes Kit - Model 0580Pes

Esophageal Pressure Sensor

- Includes 2 x 0582S, 2 x 0589, 2 x 0591, and 2 x 0303
- Ideal for measuring endoesophageal pressure when using recommended catheter
- Warranty: 1 Year



CPAP Titration Kit Model 0550

For Titrating FPH CPAPs

- Detect CPAP Flow, leak, pressure and snoring
- Interfaces to your PSG system
- User replaceable AA batteries
- Warranty: 1 Year



Industry Leading Cannulae.

Oronasal Cannulae



Model 0597 - New PureFlow™ Oronasal Cannula & Filter

- Awarded best in class
- Single lumen, single-patient use, adult oronasal cannula & filter for any pressure sensor
- Combines nasal and oral flow into one channel - no internal turbulence
- Also available for HST in shorter version



Model 0589 - Nasal & Oral Luer Lock Cannula & Safety Filter

- Single lumen, single-patient use, adult oronasal cannula & filter for any pressure sensor
- Combines nasal and oral flow into one channel



Model 0587 - Large Bore Nasal & Oral Cannula & Filter

- Single lumen, single-patient use, adult oronasal cannula & filter for any pressure sensor
- Combines nasal and oral flow into one channel



Model 0599 - Adjustable Nasal & Oral Luer Lock Cannula & Safety Filter

- Single lumen, single-patient use, adult oronasal cannula & filter for any pressure sensor
- Combines nasal and oral flow into one channel

This family of sensors and cannulae established BRAEBON as a quality manufacturer of sleep sensors and accessories.

Nasal Cannulae



Model 5582 - ValueFlow Nasal Cannula with male luer lock and filter

- Adult micro nasal cannula
- Available with or without filter
- Works with any pressure sensor



Model 0582 - Large Bore Nasal Cannula & Safety Filter

- Adult nasal cannula
- Works with any pressure sensor



Model 0582MCO₂

- Simultaneous CO₂ and pressure monitoring
- Male Luer



Model 0582CO₂ - Adult CO₂ Divided Cannula

- Simultaneous CO₂ and pressure monitoring
- Female Luer

BRAEBON was the first company to sell oronasal cannulae for airflow pressure sensing during sleep. We continue to lead the market with unique designs optimized to capture flow.

Snore Sensor Technology.



Snore Microphone Model 0540

- Electret condenser microphone
- Designed to detect higher frequencies of snoring
- Connects to headbox and senses snoring sounds
- Smaller than a dime allowing comfortable placement
- Eliminates movement artifact
- Warranty: 6 Months



Snore Sensor Model 0542

- Piezo technology
- Small and light
- Two 1.5 mm safety connectors
- Cable length 84 inches (210 cm)
- Warranty: 9 Months



Q-Snor Kit - Model 0546

- Snoring Sound Meter
- Senses actual snoring volume in dB
- Two 1.5 mm safety connectors
- Cable length 84 inches (210 cm)
- Warranty: 1 Year Interface

Snoring is an unwanted sound produced during sleep. BRAEBON's advanced technology enables you to record snoring volume.



MediByte® - Model 8541

- Electret Condenser Microphone
- Compact and light weight
- Two 1.5 mm safety connectors
- Cable length 84 inches (210 cm)
- Warranty: 1 Year



Optimum Results.



Body Position Sensors:

- Model 0530 - male RCA
- Model 0530M - female phone
- Model 0532 - two 1.5 mm touchproof
- Model - 0533 - two 1.5 mm touchproof with resistance
- Alice* 5 & Stellate*
- Accelerometer-based 5-position sensor
- Easily attaches to effort belt
- Two year battery life
- Available for most PSG systems
- Warranty: 1 Year



Piezo Pressure Sensor - Model 5581

- Piezo technology
- Both Airflow and Snoring output signals
- Two sets of 1.5 mm safety connectors
- Plugs directly into the headbox
- Warranty: 6 Months

*BRAEBON DC Sensors
are smaller, smarter, and
easier to use than ever
before!*

*Accelerometer-based
algorithms ensures signal
accuracy.*



*Alice is a trademark of Philips/Respironics.

*Stellate is a trademark of Alpine Medical.

Powerful. Simple.



MediByte® Junior Type 4 Recorder. Upgradeable to Type 3.

Using patent pending technology, this next generation MediByte Jr Home Sleep Testing (HST) device provides simple, cost effective and reliable screening for sleep apnea. Constructed of smooth nylon/plastic with an extra-strength LEMO™ connector, the MediByte® was designed for durability. Weighing less than three ounces, it is ideal for both adult and pediatric studies. Side wings attach the unit to the chest effort belt so that a holding vest or pouch is not required.

On-board oximetry, and internal pressure sensor eliminates external transducers. An oversized, tactile pushbutton allows the patient to indicate specific events during a recording. Studies are stored on the internal memory and downloaded via a USB computer connection.

This recorder is the next generation of screening devices. CPAP compatible. The MediByte® Jr may be used during titration studies or for 12-week follow-up evaluations.

MediByte® Junior Software

The MediByte® Software is an exclusive application that simplifies every step of a study, from setup to analysis to reporting. It is extremely easy to use, yet provides accurate assisted scoring and quality reports. Patient preparation uses a quick setup wizard to eliminate user error. You can program the unit to remain dormant for up to seven days and then start and stop recording at any time, for one or two nights on the same patient.

Everything you need.

- Oximetry finger probe
- Oral + Nasal Cannula
- Patient Kits Model 8115 - Oronasal cannula, battery, finger probe wrap
- Model 8120 - Oronasal cannula, battery, finger probe wrap, tape
- MediByte Software Setup & Download Wizard
- Full disclosure
- Assisted scoring and manual scoring
- Event editing
- HST Report

*Miniature 6-channel
Home Sleep Tester
that records up to two
nights on a single battery.
Upgradeable from Type 4
to Type 3.*

*The MediByte® Jr.
software is easy to
use, yet flexible
enough to analyze a
number of user
selected signals.*

*Includes MediByte® Recorder,
sensor kit, software, and
carrying case*



The Evolution of HST.



actual size

Recorder

- 1) Oximetry
- 2) Heart rate
- 3) Pressure/flow
- 4) Snore – derived from pressure
- 5) RIP Chest effort
- 6) Event marker
- 7) Internal body position sensor
- 8) CPAP Flow
- 9) CPAP Pressure

*Available Channels
(6 Total)*

<i>Event Marker</i>	Oversized sealed tactile push-button marks events on recording
<i>Signal Quality</i>	24 bit ADC with fixed sample rates for each channel
<i>Status Indicator</i>	Bi-color LED with color coded legend
<i>Power Source</i>	Single 1 ¹ / ₂ AA lithium battery
<i>Recording Time</i>	Up to 24 hours of continuous data
<i>Dormant Mode</i>	Programmable to remain in a dormant state for up to 7 days
<i>Internal Memory</i>	128 MB internal memory
<i>Computer Interface</i>	Communication cable for data downloads
<i>Physical Size</i>	3 x 2.75 x .75 inches, 2.85 ounces with battery (81.3 grams)

Software

<i>Auto Setup</i>	<i>Extremely easy to use sequential patient setup screens with user defined options</i>
<i>Auto Start</i>	<i>Set the recorder to automatically start and stop at a specified date and time</i>
<i>Assisted Scoring</i>	<i>Computer assisted scoring marks all desaturations, respiratory and snoring events</i>
<i>Event Editing</i>	<i>Adjust, delete, rename, or add events</i>
<i>Full Disclosure</i>	<i>Print any part of the recording with a user-selected epoch size</i>
<i>EDF Format</i>	<i>Download recordings in EDF for research applications</i>
<i>Report Templates</i>	<i>Microsoft Word® templates specific to dental and cardiology sleep medicine</i>

Home Sleep Testing Advancement.

MediByte® Type 3 HST Recorder

Using patent-pending technology and designed to exceed new guidelines, this next generation screener overcomes the many limitations of current devices. Constructed of smooth nylon/plastic with extra-strength LEMO™ connectors, the MediByte® was designed for durability. Weighing less than three ounces, it is ideal for both adult and pediatric studies. Side wings attach the unit to the chest effort belt so that a holding vest is not required. On-board oximetry, pressure and body position sensors eliminate external transducers.

An auxiliary (AUX) port provides a high sample rate channel for a variety of applications, including sound, EKG and EMG. Use the sensitive snore microphone for high frequency snoring analysis and a derived quantitative dB sound level. Use EKG electrodes for 24-hour holter monitoring or EMG electrodes to record bruxism or other myoclonic events.

An oversized, tactile pushbutton allows the patient to indicate specific events during a recording. Studies are stored on the internal memory and downloaded via a USB computer connection.

This recorder represents a new generation screening device that can be used for a number of different applications.

MediByte® Software

The MediByte® Software is an exclusive application that simplifies every step of a study, from setup to analysis to reporting. It is extremely easy to use, yet provides accurate assisted scoring and quality reports. Patient preparation uses a quick setup wizard to eliminate user error. You can program the unit to remain dormant for up to seven days and then start and stop recording at any time, for one or two nights on the same patient.

Everything you need.

MediByte® Kit

- 1) Oximetry finger probe
- 2) Snore microphone
- 3) Two RIP Respiratory effort belts
- 4) Six Oronasal cannulae
- 5) EKG/EMG lead yoke adapter
- 6) Prep. accessories
- 7) PLM adapter
- 8) Airflow Thermistor



This miniature device can record 12-channels of PSG data up to 2 nights or 24 hours on a single battery.

Complete with sensors and software, the MediByte® package includes everything you need to provide reliable patient testing in a variety of configurations.

HST Evolved.



actual size

Recorder

- 1) Oximetry
- 2) Heart rate
- 3) Pressure Flow
- 4) Snore – derived from pressure
- 5) Thermal Flow
- 6) RIP Chest effort
- 7) RIP Abdomen effort
- 8) Event marker
- 9) Internal body position sensor
- 10) EKG, EMG or Snoring Audio
- 11) Sound level
- 12) CPAP Flow
- 13) CPAP Pressure

*Available Channels
(12 Total)*

<i>AUX Channel</i>	Quantitative snoring sampled at 2000 Hz or EKG/EMG at 250 Hz
<i>Event Marker</i>	Oversized sealed tactile pushbutton marks events on recording
<i>Signal Quality</i>	24 bit ADC with fixed sample rates for each channel
<i>Status Indicator</i>	Bi-color LED with color coded legend
<i>Power Source</i>	Single $1\frac{1}{2}$ AA lithium battery
<i>Recording Time</i>	Up to 24 hours of continuous data
<i>Dormant Mode</i>	Programmable to remain in a dormant state for up to 7 days
<i>Internal Memory</i>	128 MB internal memory
<i>Computer Interface</i>	Communication cable for data downloads
<i>Physical Size</i>	3 x 2.75 x .75 inches, 2.85 ounces with battery (83 grams)
<i>Sampling Rates</i>	Exceeds new guidelines

Software

<i>Auto Setup</i>	<i>Extremely easy to use sequential patient setup screens with user defined options</i>
<i>Auto Start</i>	<i>Set the recorder to automatically start and stop at a specified date and time</i>
<i>Assisted Scoring</i>	<i>Computer assisted scoring marks all desaturations, respiratory, PLM, and snoring events</i>
<i>Event Editing</i>	<i>Adjust, delete, rename, or add events</i>
<i>Full Disclosure</i>	<i>Print any part of the recording with a user-selected epoch size</i>
<i>EDF Format</i>	<i>Download recordings in EDF for research applications</i>
<i>Report Templates</i>	<i>Microsoft Word® templates specific to dental and cardiology sleep medicine</i>

Includes MediByte® Recorder, sensor kit, software, and carrying case

Solutions for Sleep Medicine.



Patient Information Intake

Enter fax and phone referrals easily with the Quick Chart for rapid patient information intake. Book appointments using Quick Chart and schedule multiple appointments more efficiently or graphically display weekly appointments.

Patient Electronic Chart and Study Data

All patient information is displayed within an easy to use multi-tabbed window. Test results are further expanded displaying fields automatically populated by your PSG system.

Physician Interpretations and Remote Access

Physicians can generate interpretation letters using auto-populating templates (MS Word®), which can be digitally signed and made available to the sleep facility for distribution. Patient data can also be remotely accessed; allowing even the referring physician to view their patient's information from their offices.

SQL Query Generated Reports

Facility performance statistics, CPAP compliance, and patient outcomes from date and range specific sleep testing parameters are tracked and reported in a number of ways providing an excellent resource for obtaining and retaining medical insurance contracts and laboratory accreditation.

Additional Lists and Databases

User-maintained lists ensure data integrity and provide for fast data entry of repeated tasks without keyboard entry. Specialized databases are included for prescription drugs, procedures, Medicare codes, CPAP equipment and accessories and validation on CPT and ICD-9 diagnostic codes.

PURSUIT Outcomes® assumes a vital role in all aspects of your sleep practice: from patient referral through the scheduling process, sleep study management, physician interpretation, Rx ordering, follow-up, patient outcomes and business efficiency analysis.

For over 12 years, Pursuit Outcomes® has been helping sleep professionals manage their practices more effectively and has become the industry standard that interfaces with most PSG systems.

The Industry Standard Solution.

Standard

<i>Database Type:</i>	High performance HIPAA compliant AES encrypted SQL database.
<i>Electronic Chart:</i>	Multi-tab window displays demographics, patient history, medications, procedures, insurance, appointments, studies, images, diagnoses, prescriptions, questionnaires, compliance, treatment options, site history, chart notes and more.
<i>Test Results:</i>	Multi-tab windows displays all sleep parameters imported from PSG test results.
<i>Patient Intake:</i>	Quick Charting, Staff and Patient Reminders, Waiting List Management.
<i>Graphic Scheduler:</i>	Color coded multi-site scheduling for booking patients and allocating staff.
<i>Reminders:</i>	Popup window reminds user of administrative tasks and patient specific items.
<i>Electronic Questionnaires:</i>	Industry standard patient questionnaires with ability to add your own (Pre/Post Sleep, Patient Satisfaction, Epworth, Berlin, Compliance).
<i>Physician Login and Grouping:</i>	Access only to patients to which they have been assigned to view study data, complete interpretation letters and order CPAP.
<i>DME login:</i>	Allow providers to access only the patients to which they have been assigned to track and update treatment information and compliance monitoring.
<i>Query Engine:</i>	SQL and Microsoft EXCEL access to all patient and study data.
<i>Reports:</i>	Numerous period-specific patient, physician, provider and management reports with the option to add your own.
<i>Letter Templates:</i>	Sample auto populated interpretation and administrative letters with auto text examples.
<i>Security Levels:</i>	HIPAA compliant multisite multiuser password protected level access restrictions.
<i>Supplies Inventory:</i>	Tracks devices and supplies inventory and assigned patient devices.
<i>Equipment Interfaces:</i>	Accepts report parameters from many digital sleep systems and CPAP devices.
<i>Internal Databases:</i>	Complaints, diagnostic and procedure codes, drugs, devices, zip codes , postal codes and more.
<i>Maintenance Contract:</i>	Stay current with the purchase of a low-cost annual maintenance contract for frequent updates to the software and databases and toll-free telephone support.

Options

<i>HL7 interface:</i>	Transfer patient and scheduling information and reports to and from many HL7 compliant hospital information systems.
<i>Billing Interface:</i>	Transfer information to medical billing software and other HL7 compliant billing systems.
<i>WebINET Developer Kit:</i>	Create your own secure Web Portal to Outcomes for customized data collection, management and reporting.
<i>Training:</i>	Various options are available for either onsite or Internet-based installation and training.

Innovation.



Home sleep testing science
by an industry leader.

BRAEBON
For Today's Business of Sleep™

braebon.com

Australian Distributor



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