SLEEP APNEA
PRODUCT
GUIDE

BRAEBON

For Today's Business of Sleep™

For Today's Business of Sleep.™

BRAEBON Medical Corporation is a proud Canadian leading designer, manufacturer and distributor of diagnostic home sleep apnea recorders, high quality diagnostic sleep sensors, accessories, therapeutic intraoral appliances and software solutions for the sleep medicine marketplace. Our product line includes: MediByte®, MediByte Jr®, DentiTrac®, SnoreByte®, Quantitative Respiratory Effort, Airflow Pressure, Airflow Temperature, Qualitative Respiratory Effort, Body Position and Snoring sensors.

BRAEBON is aware that you have a choice when purchasing diagnostic and therapeutic PSG equipment. Our commitment to you is to provide exactly what you need. We have developed a unique combination of over 140 products at the forefront of technology for today's busy environment of sleep medicine. Our products are of the highest quality, easy to use, reliable and well-supported.

In addition to our high-quality products, BRAEBON offers clients unparalleled after-sales support with industry-leading warranties, technical support and our helpful Rapid Replacement Program.

BRAEBON is an ISO 13485 and CE-compliant company with an international customer base. Our products are used on six continents and comply with: U.S. FDA, Health Canada, European CE, IEC 60601 and Australian TGA standards.

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BRAEBON™
is an ISO
13485:2016
certified 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

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.

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

Disposable Airflow Temperature Sensor
Models 0517, 0518
- Single patient use
- No cleaning or disinfecting
- No prongs to go up the nose
- Connects directly to the headbox
- Compatible with Cannula

www.braebon.com

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

ULTIMA SENSORS ™

High Output Connectivity.
Piezo Effort Belts

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.

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)

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)

*Alice is a trademark of Philips/Respironics.

ULTIMA
SENSORS ™

Selection, Quality and Innovation.

Differential Pressure Transducers

Models 0580, 0580D, 0580Pes

- Superior quality differential pressure transducers
- Senses subtle pressure changes in airflow and snoring
- Features 20-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.

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 - model 0585
- 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

Selection, Quality and Innovation.

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

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.

Oronasal Cannulae

Model 0597 / 8597 (Home Testing) - PureFlow™ Oronasal Cannula & Filter
- 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 8597

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

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
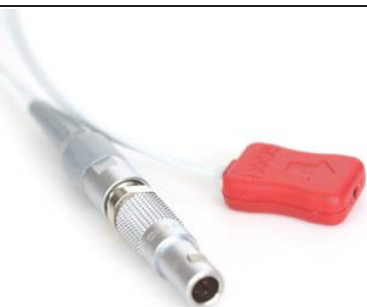- Works with any pressure sensor

Model 0582MCO2
- Simultaneous CO_2 and pressure monitoring
- Male Luer

Model 0582CO2 - Adult CO2 Divided Cannula
- Simultaneous CO_2 and pressure monitoring
- Female Luer

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
    - for Alice* 5
- 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.

MEDIBYTE®
JUNIOR

Powerful. Simple.

MediByte® Junior is a Type 3 Recorder

Using patent pending technology, this next generation MediByte Jr Home Sleep Testing (HSAT) device provides simple, cost effective and reliable screening for sleep apnea. Constructed of smooth nylon/plastic with an extra-strength LEMO™ connector, the MediByte® Jr was designed for durability. Weighing just 91 grams, 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. 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® Jr 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.

Miniature 7-parameter Home Sleep Tester that records up to two nights on a single battery. Type 3.

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

Everything you need.

- Oximetry finger probe
- Oral + Nasal Cannula
- Patient Kits Model - Model 8110 - Oronasal cannula, tape
- MediByte Software Setup & Download Wizard Full disclosure
- Assisted scoring and manual scoring Event editing
- HSAT Report

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

MediByte® is a registered trademark of BRAEBON Medical Corporation.

The Evolution of HSAT.

Recorder

Available Parameters (7 Total)
1) Oximetry
2) Heart rate
3) Pressure/flow
4) Snore - derived from pressure
5) RIP Chest effort
6) Internal body position sensor
7) CPAP Flow
8) CPAP Pressure

Signal Quality	24 bit ADC with fixed sample rates for each channel
Status Indicator	Bi-color LED with color coded legend
Power Source	Rechargeable or disposable 1/2 AA lithium battery
Recording Time	Up to 24 hours of continuous data
Dormant Mode	Programmable to remain in a dormant state for up to 7 days
Internal Memory	256 MB internal memory
Computer Interface	Communication cable for data downloads
Physical Size	2.5 x 2.25 x .75 inches (66 x 60 x 19 mm), 3.2 ounces (91g) with battery

Software

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

MEDIBYTE ®

Home Sleep Testing Advancement.

MediByte Type 2 HST Recorder or Type 3 HSAT Recorder

Using unique technology and designed to exceed 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 just 93 grams, it is ideal for both adult and pediatric studies. Side wings attach the unit to the chest effort belt so that a lanyard, holding vest, or third belt are not required. On-board oximetry, pressure and body position sensors eliminate external transducers.

An auxiliary (AUX) port provides a high sampling rate channel for a variety of applications, including sound, EEG, EOG, EMG, and EKG. Use the sensitive snore microphone for high frequency snoring analysis and a derived quantitative dB sound level. Use electrodes to record sleep staging, 24-hour EKG, 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) Oronasal cannula
5) Electrode box
6) Prep. accessories
7) Airflow Thermistor

MediByte® is a registered trademark of BRAEBON Medical Corporation.

This miniature device can record up to 15 parameters 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.

Recorder

Available Parameters (15 Total)	1)	SpO2
	2)	Heart Rate
	3)	PPG (Photoplethysmograph)
	4)	Pressure Flow
	5)	Snore
	6)	Thermal Flow
	7)	Flow Limitation
	8)	RIP Chest Effort
	9)	RIP Abdomen Effort
	10)	SUM (RIP Chest Effort + RIP Abdomen Effort)
	11)	Event Marker
	12)	Body Position (internal)
	13)	EEG
	14)	EOG
	15)	EMG
	16)	EKG
	17)	Audio Snoring
	18)	Sound Level
	19)	CPAP Flow
	20)	CPAP Pressure

AUX Channel	Quantitative snoring sampled at 2000 Hz or ExG at 250 Hz
Event Marker	Oversized sealed tactile pushbutton marks events on recording
Signal Quality	24 bit ADC with fixed sample rates for each channel
Status Indicator	Bi-color LED with color coded legend
Power Source	Rechargeable or disposable 1/2 AA lithium battery
Recording Time	Up to 24 hours of continuous data
Dormant Mode	Programmable to remain in a dormant state for up to 7 days
Internal Memory	256 MB internal memory
Computer Interface	Communication cable for data downloads
Physical Size	2.5 x 2.25 x .75 inches (66 x 60 x 19 mm), 3.2 ounces (93g) with battery
Sampling Rates	Exceeds new guidelines

Software

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

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

THE POWER OF THE CLOUD
ACCESSIBLE FROM ANYWHERE

Setup. Monitor. Upload. Enhance.

Upload your DentiTrac® data from your Windows™ PC (or use your Mac™ running Parallels™)*, using the DentiTrac® Base Station.

Compliance Reports

Save time when creating interpretation letters by using the built-in report generator that summarizes the DentiTrac® data. Time saved means more time with patients and building a more successful practice.

BRA
For Today's Bu

Diagnose and Monitor

Use the MediByte® or MediByte® Jr to reliably diagnose and monitor your sleep apnea patients and share the data through the BRAEBON BridgeBuilder® Cloud Portal.

Data in the Cloud means you can access your patient compliance information from anywhere in the world, on most any type of computer operating system and web browser: Windows, Mac, iPad, iPhone, Firefox, Safari, Internet Explorer.*

EBON
usiness of Sleep™

BridgeBuilder®
Cloud Portal

Access the Cloud from anywhere using any device.
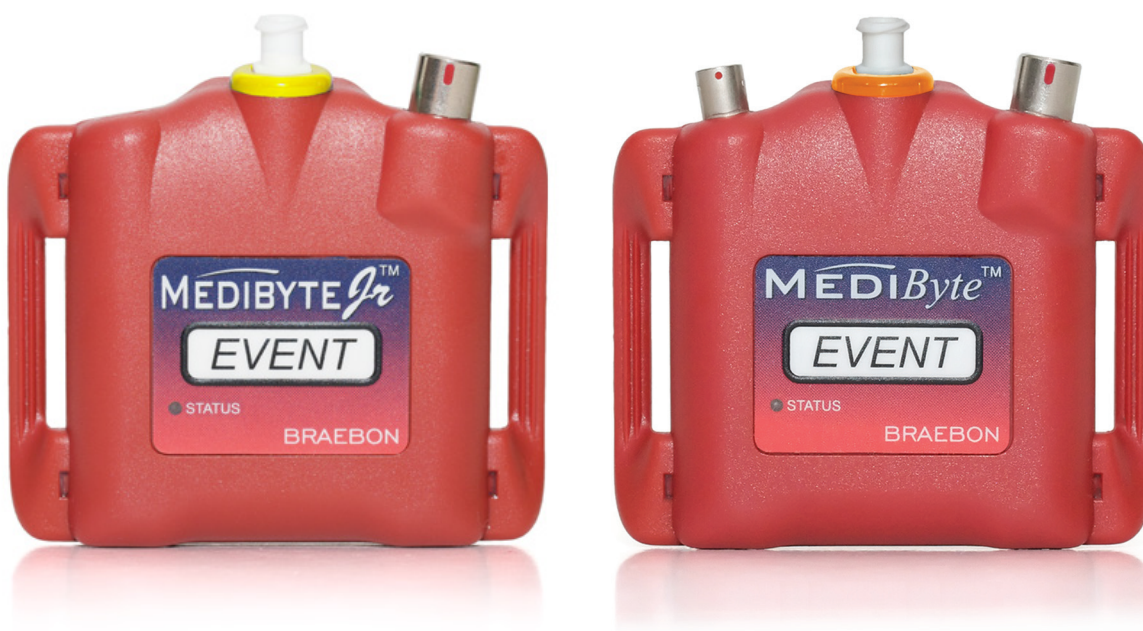
Optional Remote Home Uploading

The convenience of home uploading is available as an option for your busy patients. This further improves your ability to monitor patient compliance. Of course, you can upload the data from the DentiTrac® when your patients come to see you for routine visits.

* Windows, Mac, Parallels are trademarks of their respective owners.

Innovation.

MediByte® Jr
Type 3 • 7 Parameters

MediByte®
Type 2 or 3 • 15 Parameters

Home sleep testing science
by an industry leader.

BRAEBON
For Today's Business of Sleep™