



# SLEEP DIAGNOSTIC SOLUTIONS GUIDE

## PSG • HSAT • ELECTRODES, SENSORS, AND ACCESSORIES

*This guide is designed to give you a comprehensive understanding of the hardware, software, supplies, accessories, and electrodes that Cadwell offers to support both in-lab and at-home sleep studies.*



## WHY SHOULD YOU CHOOSE CADWELL SLEEP DIAGNOSTIC SOLUTIONS?

Cadwell sleep diagnostic solutions in your sleep lab means you have quality, flexible sleep study equipment for polysomnography (PSG) and home sleep apnea testing (HSAT) on a single software platform. You're caring for your patients with time-tested and user-friendly solutions that give you clear signals. You're implementing efficient and flexible software with live remote viewing, concise reporting, and complimentary software upgrades. You're also accessing a team of qualified, informed support personnel who have your back.

Utilize one software platform for all of your sleep diagnostic needs with flexible workspace configurations, customizable montages, intuitive oximetry messaging, better data management, bedside impedance checks, improved sleep scoring workflow, and customizable reports.

Our total sleep offering includes Easy® III and ApneaTrak® hardware with Easy® III PSG software featuring optional EnsoSleep AI scoring and analysis, Sleepmate™ diagnostic sensors, plus our online store packed with all of the supplies and accessories you need to run your sleep studies.

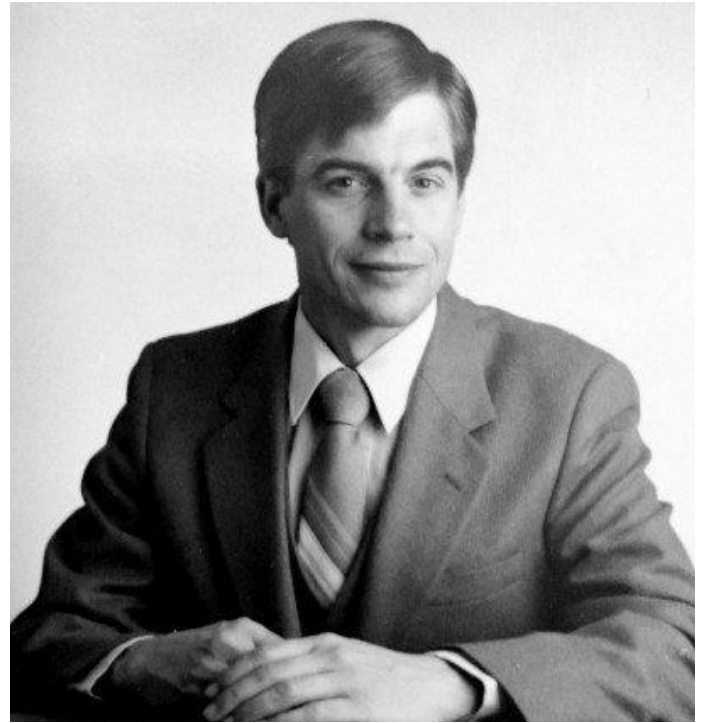
Sleep Test	Description	Personnel	Signals Required	Cadwell Solution
Type 1	PSG, performed in a sleep lab	Attended	EEG, EOG, chin EMG, ECG, airflow, respiratory effort, blood oxygen saturation	Easy III
Type 3	Home Sleep Apnea Test (HSAT)	Unattended	Heart rate, blood oxygen saturation, body position, thoracic effort, nasal pressure	ApneaTrak
Type 4	Continuous recording of 1-2 channels	Unattended	1 - 2 channels	ApneaTrak

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## A HISTORY OF CADWELL

The legacy that John and Carl Cadwell began in 1979 remains entirely focused on providing innovative and easy-to-use neurodiagnostic, neuromonitoring, and sleep diagnostic solutions.

We value customer input, innovation, product quality, intuitive usability, and outstanding user support to set new standards with our neurology solutions for:

- PSG and HSAT sleep diagnostics
- EEG brain monitoring
- EMG, EP, NCS, and Ultrasound
- IONM surgical monitoring
- Data management
- Neuro consumables

We are committed to creating cutting-edge neurology technology and providing market-leading customer support. Cadwell is staying true to its mission: helping you help others.

*Pictured above: Cadwell founders John Cadwell, MD, BSEE (left), and Carl Cadwell, DDS (right)*

## OUR SLEEP DIAGNOSTICS REFLECTS DECADES OF INNOVATION

Easy® EEG was introduced in the 1990s. After years of providing multi-modal EEG with PSG, Cadwell released Easy PSG as its first dedicated sleep diagnostic solution with the industry's best report generator in 2000. Easy II followed, and then Easy® III was launched in 2009. Today, the Easy® III platform has been expanded to support both Easy® III PSG and ApneaTrak® HSAT.

## CADWELL SLEEP PATENTS

Cadwell values innovation and collaboration, and our team of hardware and software designers have contributed three patents specific to Easy products:

- CannuTherm® Thermal Pressure Sensor
- Video Compression in Synchronous Video
- PSG Processing with Neural Networks

Visit [www.cadwell.com/patents](http://www.cadwell.com/patents) for the complete list of neurodiagnostic and intraoperative monitoring patents.

# ABOUT CADWELL



## WORLD-CLASS CUSTOMER CARE

The customer care Cadwell provides is unmatched in the neuro world. Our CadCare® Customer Support Programs give you additional options including extended service plans, and the CadLink® Software Support and Maintenance Program. With the purchase of each Neurodiagnostic or Intraoperative Monitoring system from Cadwell, you acquire:

- A lifetime CadCare Membership
- Limited Factory Warranty
- Limited Software Maintenance and Support

Increase your coverage on hardware with an Extended Service Package, which may include bundled discounts for support benefits, and multi-unit and multi-year discounts.

Learn more at [www.cadwell.com/cadcare](http://www.cadwell.com/cadcare).

## FLEXIBLE INSTALLATION PLANS

For our sleep product solutions, you can choose from:

- On-site installation + training, 1 day (Part No. 8002300)
- On-site training, each additional day (Part No. 8002301)
- Computer configuration and setup (Part No. 8002001)
- DIY: no installation or training (Part No. 9994024)

## COMPLIMENTARY PREMIUM ONLINE SUPPORT

Cadwell's web-based Support site for USA-based customers provides easy access to:

- Downloadable Easy® III PSG software updates and licensable feature upgrades
- User Guides and Frequently Asked Questions
- Video tutorials and recorded webinars, including:
  - ApneaTrak® Quick Start and Patient Instruction Videos
  - PSG How to Videos

Register at [cadwell.support/register](http://cadwell.support/register).



## CADCARE CUSTOMER SUPPORT PROGRAMS

The customer care Cadwell provides is unmatched in the neuro world. Our CadCare® Customer Support Programs give you additional options including extended service plans, the CadLink Software Support and Maintenance Program, and PSG, LTM, and EMU 24/7 Premium Support.

When a Cadwell system is purchased directly from Cadwell, that equipment is automatically enrolled in the CadCare Membership Program for as long as you own the equipment.

- **A lifetime CadCare Membership**

Lifetime means the functional lifetime of the equipment, during which Cadwell is able to service, support, and provide software updates for the piece of equipment; functionality may slowly diminish as software updates are no longer provided and parts become obsolete, at which time the functional lifetime of the equipment may cease.

- **Limited Factory Warranty**

Limited Factory Warranty coverage is 12 months for new equipment or six months for refurbished equipment purchased from Cadwell.

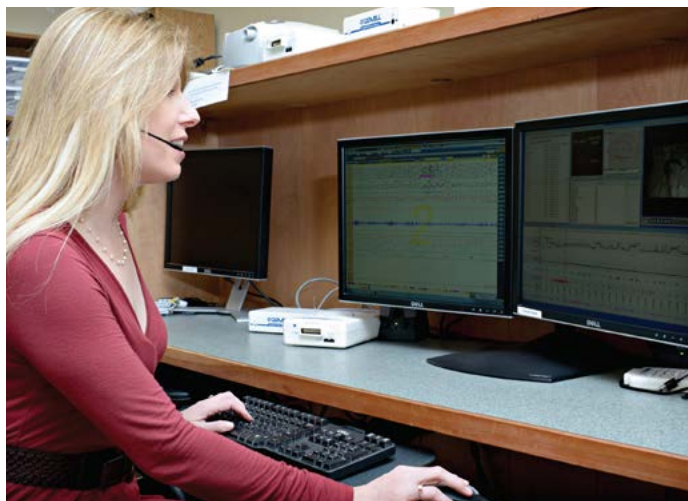
- **Limited Software Maintenance and Support**

Software Maintenance and Support is covered during the Limited Factory Warranty and may be purchased as an additional warranty coverage thereafter.

Increase your coverage on hardware with an Extended Service Package, which may include bundled discounts for support benefits, and multi-unit and multi-year discounts.

## CADCARE MEMBERSHIP ELIGIBILITY

If your Cadwell equipment was purchased from a third-party seller, you must enroll that equipment in the CadCare Membership Program for \$1,200 per system, per year of membership.



## PSG, LTM, & EMU 24/7 PREMIUM SUPPORT

**Cadwell now offers dedicated 24/7 Premium Support for sleep and brain monitoring**

Benefits include:

- Phone and remote support coverage outside of normal working hours, including weekends and holidays
- General application support, operations questions, and report maintenance
- Scheduled appointments for customer follow-up
- Dedicated after-hours support
- Escalation to senior support

# CADCARE CUSTOMER SUPPORT PROGRAMS

## CADCARE OPTIONS

Cadwell Sleep systems qualify for CadCare:

- Level 2 Extended Service Plan (Service Contract Part No. 8001212)
- Level 3 Extended Service Plan (Service Contract Part No. 8001213)
- Level 4 Extended Service Plan (Service Contract Part No. 8001214)
- PSG, LTM, and EMU 24/7 Premium Support Plan (Service Contract Part No. 8001096)

Legend: ✓ = included, \$ = available as a purchasable option, x = not available, % = discount available

Limited Warranty	CadCare Membership	Benefits	Extended Service Plans		
			2	3	4
✓	✓	Live phone answering (M-F, 4:30 a.m. – 5 p.m. PT)	✓	✓	✓
✓	✓	Phone support for general software application and hardware troubleshooting questions (M-F, 6:30 a.m. – 5 p.m. PT)	✓	✓	✓
✓	✓	PSG, LTM, and EMU after-hours support for patient care disruptions	✓	✓	✓
✓	✓	Software upgrades (for purchased licensed features)	✓	✓	✓
✓	\$	Custom report creation	\$	✓	✓
✓	✓	Maintenance with existing reports	✓	✓	✓
✓	\$	Application training via webinar	✓	✓	✓
✓	\$	Diagnostic Remote Web Support	✓	✓	✓
✓	\$	Preventive Maintenance (scheduled PM and 7-day turn options)	✓	✓	✓
✓	\$	Equipment loaners	✓	✓	✓
✓	\$	Shipping and handling of repairs and loaners	\$	✓	✓
✓	\$	Cadwell parts and labor (basic extended warranty)	✓	✓	✓
\$	\$	Expedited equipment repair	\$	✓	✓
\$	\$	Workstation setup and configuration beyond original equipment install	\$	\$	✓
✓	\$	Non-Cadwell peripheral equipment coverage (e.g. PCs and printers purchased from Cadwell)	\$	\$	✓
x	x	One-time discount for computer replacement	x	x	30%
✓	\$	Software Maintenance and Support Plan (discounts available). Part No. 8001066	\$	20%	30%
\$	\$	PSG, LTM, and EMU 24/7 Premium Support Plan (discounts available). Part No. 8001096	20%	30%	✓

Learn more at [www.cadwell.com/cadcare](http://www.cadwell.com/cadcare).

*Customers are responsible for pulling all cables and installing any non cart-based cameras prior to the scheduled installation of the Cadwell system.*





## EASY III PSG SOFTWARE

Streamline sleep diagnostic testing with Cadwell's Easy® III software, simultaneously supporting both Easy® III PSG and ApneaTrak® HSAT. Initialize, record, score, and review both HSAT and PSG, performing all of your sleep diagnostics using one efficient software platform and workflow.

### NEW FEATURES

- Clinical Metrics (Report Tokens) in Digital Value Panel
- Auto refreshing Report Token view
- Heart Rate Variability (HRV) Graphs
- Respiratory Effort SUM Channel
- Progress indicator for sequentially opened records
- Batch changing of respiratory events
- Report on duration between record status changes in Clinical Database

### FLEXIBLE WORKSPACE CONFIGURATIONS

- Simultaneously view live and recorded video to improve patient monitoring during the study
- Role-based, personalized software behaves the way you want and can be modified on-the-fly
- Configure your recording workspace to see everything on a single monitor, or customize a dual-monitor workspace
- Synchronized montages and reports eliminate the need to copy files to every station

### BETTER DATA MANAGEMENT

- Customizable montages
- Easily identify N3 sleep with Delta Highlight
- Bedside impedance checks
- Intuitive oximetry messaging
- Simplify your workflow with auto-archiving

### MONITOR ANYWHERE

- Access all stored data as well as live recordings from anywhere via Citrix. Build physician worklists so you know which studies you've already done and which studies need to be completed



### CUSTOMIZABLE REPORTS

- Build reports the way you want them with flexible and configurable templates
- Make your workflow more efficient by instantly sending results to the EMR via HL7 Link
- Highly detailed titration reports provide more insight into your complex patients, including AdaptSV, AutoSV, AVAPS, iVAPS, Inspire, and Oral Appliance Therapy

### IMPROVED SLEEP SCORING WORKFLOW

- ApneaTrak® studies appear in the Easy® III Review window. Score ApneaTrak® data exactly how you score PSG studies

### INTEGRATED AI SCORING

- EnsoSleep delivers AI scoring and analysis on PSG and HSAT data in a matter of minutes, with >90% agreement. Integrating EnsoSleep empowers you with time savings and scoring consistency, so you can spend more time helping with patient education and compliance
- Score events according to AASM standards (3% or with associated arousal), and let Easy® III report out both AASM and Medicare (only including hypopneas with a 4% desaturation) results



# EASY III PSG + HSAT SOFTWARE

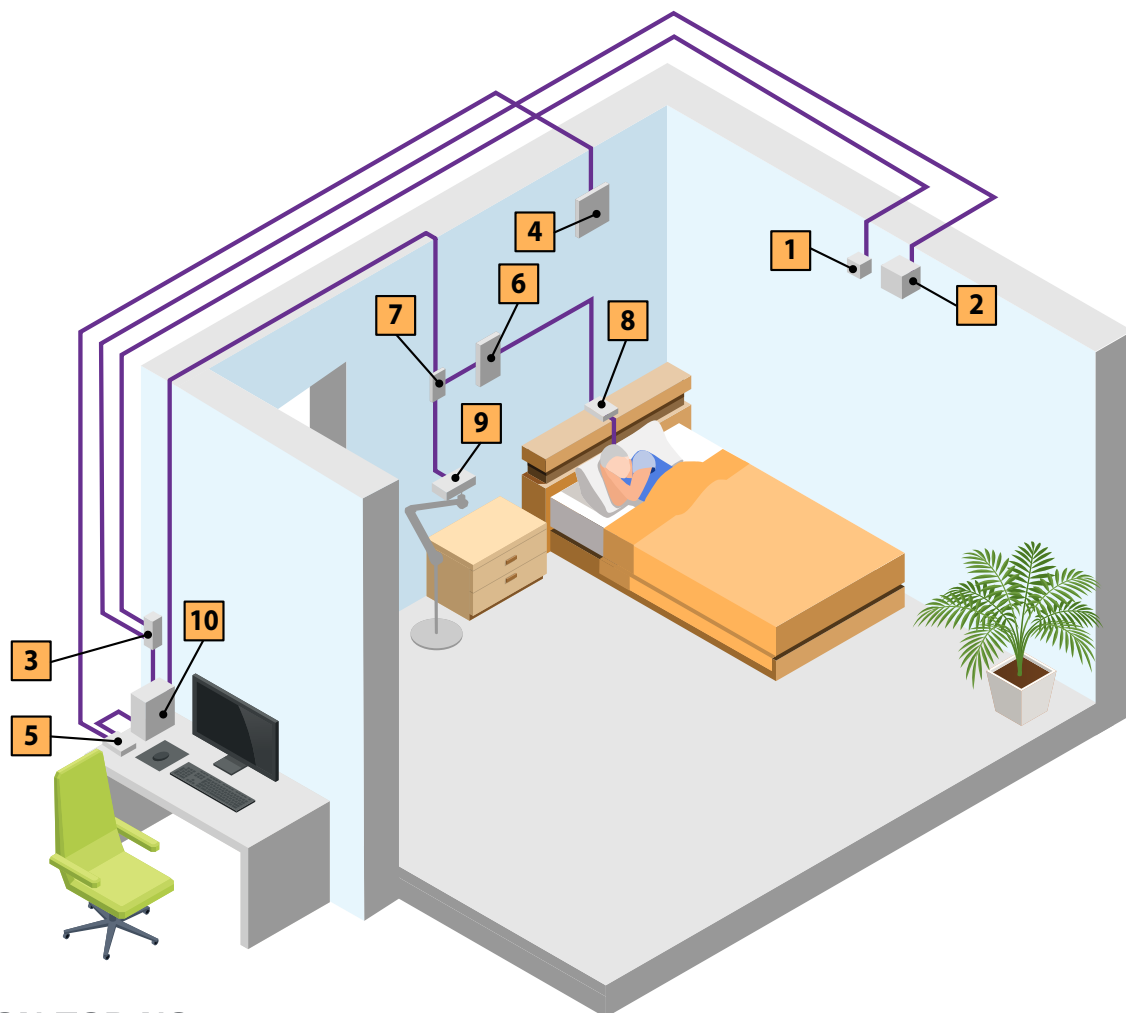


## EASY III SOFTWARE

Order one per Easy III software station	Part No.
Easy III PSG Reader License (if purchasing PC from Cadwell)	USB: 369031-201 CD: 369031-200
Easy III PSG Reader License (if using your own PC)	USB: 9600510 CD: 9600509

## EASY III SOFTWARE OPTIONS

Options	Part No.
Easy III License for Citrix Server allows users to read without a Reader License	369031-455
Remote Viewing License if using VPN without a Citrix Server	369031-457
Q-Video Software	369031-450
Sentinel Nurse Monitoring Software monitor up to six (6) beds	369031-453
HL7 Link Server Software includes installation and configuration	369035-200
Microsoft Office License (if needed)	295036-000
Med Phar Spell Check	295041-000
Easy III Technical Manual, CD	100840-621-200
Easy III Technical Manual, USB	100840-621-201



## EASY III FOR IN-LAB SLEEP MONITORING

Easy® III brings you a quality, flexible in-lab monitoring solution that empowers you to record crystal clear signals with a 4 kHz sampling rate and bedside impedance checks. The Easy® III amplifier with integrated DC channels stays safely mounted to the wall or night stand.

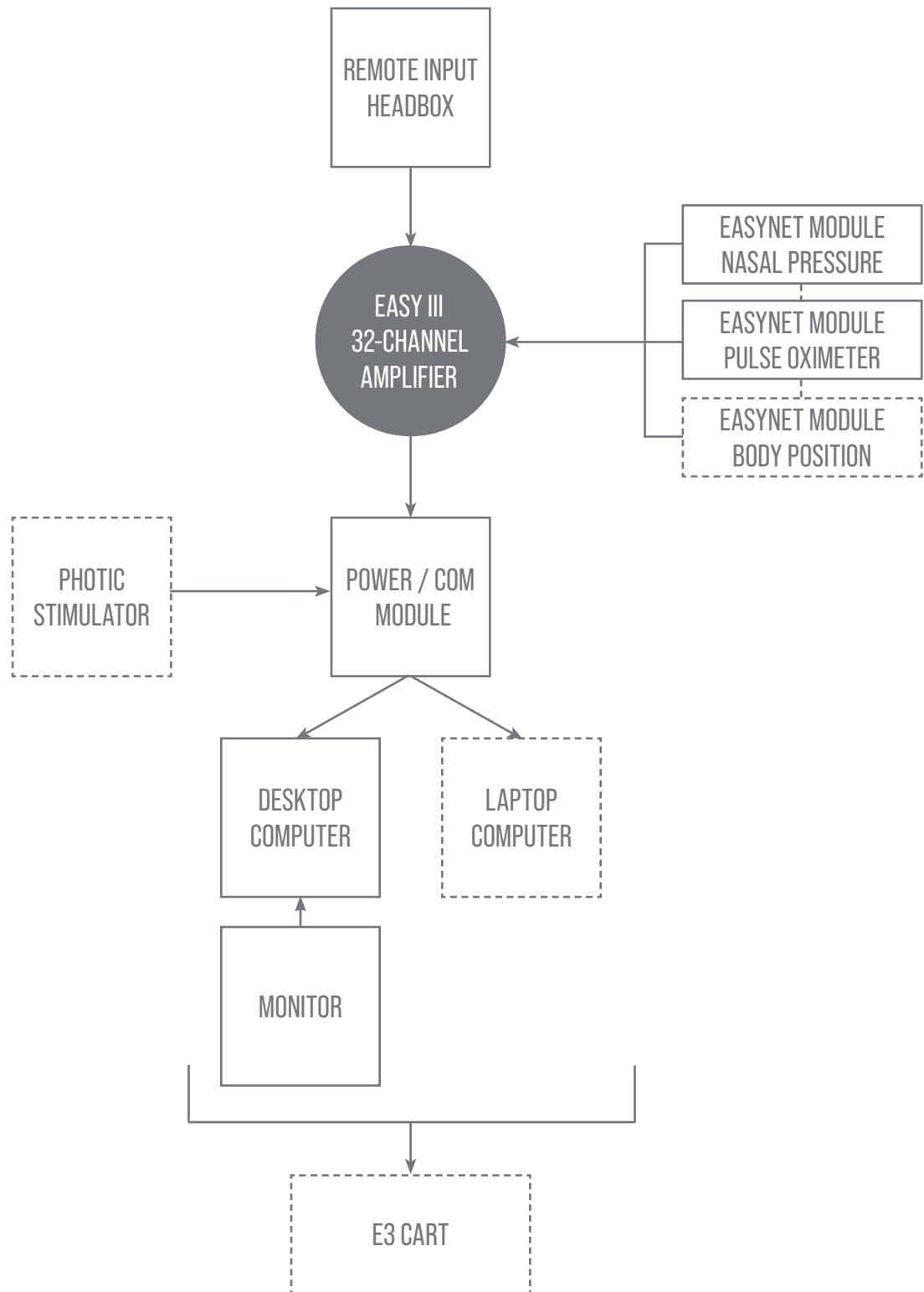
Protect your amplifier and simplify the connection of electrodes and sensors with Easy® III's Remote Input Box, featuring color-coded inputs in a 10-20 pattern. Place your signals at the amplifier or on the patient with up to 12 EasyNet® Patient Modules for nasal pressure, oximetry, body position or limb movement actigraphy.

You can use Easy® III's 8 DC channels to communicate with a wide variety of auxiliary equipment. Use in-lab titration devices from any manufacturer, your favorite CO<sub>2</sub> monitoring device, or even add nocturnal pH monitoring.

## TYPICAL PSG SLEEP LAB CONFIGURATION

1. IR Illuminator
2. PTZ (Pan-Tilt-Zoom) Camera
3. PoE (Power over Ethernet) Optionally locate near Camera
4. Louroe Intercom
5. Louroe Base Module
6. Easy® III Amplifier
7. Easy® III Power Com Module
8. Easy® III Remote Input Box
9. Photoc Stimulator (Optional)
10. PC

# EASY III SOLUTION OVERVIEW



*Solid lines denote typical configuration. Dashed lines indicate optional equipment.  
EasyNet® Modules can be daisy-chained or used with the EasyNet® 6-port Hub*



## EASY III AMPLIFIER AND COMPONENTS



### EASY III PSG AMPLIFIER

The Easy® III amplifier offers 4 kHz sampling rate and 32 onboard channels, with integrated DC channels and bedside impedance checking. When used with the complete EasyNet® Patient Module setup and Remote Input Box, this amplifier enables a 54-channel in-lab PSG system.



### REMOTE INPUT BOX

Protect your amplifier and increase patient comfort with the Remote Input Box. Color-coded inputs in a 10-20 pattern simplify the connection of electrodes and sensors.

Product	Length		Part No.
	m	ft	
Remote Input Box with 10-20 pattern and top electrode plugs	-	-	190256-200
Cable	3	10	199216-000
	6	20	199216-000-020
	9	30	199216-000-030
Replacement Lanyard	-	-	067002-000

Order Qty.	Product	Part No.
54-Channel Easy III PSG System	Easy III PSG 32-channel amplifier, Remote Input Box with 10-foot input cable, and your choice of reusable or disposable adult or pediatric PSG Electrode Kit.	9800001

# EASY III AMPLIFIER AND COMPONENTS



## EASY III POWER/COM MODULE

The Power/Com (Power/Communication) Module connects Easy® III amplifiers to the computer via a standard 10 BASE-T Ethernet communication cable and provides power via the AC power cable.

Order Qty.	Product	Part No.
1	Power/Com Module	190245-200
Optional	Power-Com Module Wall Bracket	197226-200



*Easy® III Amplifier Wall Bracket*

## MOUNTING OPTIONS

Product	Part No.
Easy III Amplifier Wall Bracket	334760-000
C-Clamp Arm Mount (for older Cadwell carts)	334919-000



## EASYNET PATIENT MODULES AND EASY III CABLES

Place your signals at the amplifier or on the patient with up to 12 EasyNet® Patient Modules for nasal pressure, oximetry, body position, or limb movement actigraphy.



Limb Movement Module



Body Position Module



Nasal Pressure Module



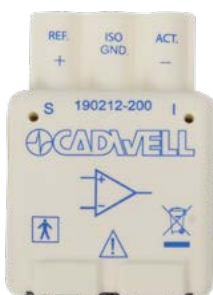
SpO<sub>2</sub> Oximeter Module



## EASYNET CABLE TESTER

Test the integrity of EasyNet® cables prior to each study.

Product	Part No.
EasyNet Cable Tester	190219-200



Multi-Purpose Module collects EKG, airflow, respiratory effort, and snore signals



Add the 6-port hub to utilize even more EasyNet® Modules

Product	Part No.
Limb Movement Module	190208-200
Body Position Module	190210-200
Nasal Pressure Module	190207-200
SpO <sub>2</sub> Oximeter Module	190211-200
Multi-Purpose Module	190212-200
EasyNet 6-Port Hub	190214-200



## EASYNET CABLES

Connect the EasyNet® Patient Modules to the Easy® III amplifier. Multiple color-coded lengths are available.

Cable Color	Length		Part No.
	m	in	
Yellow	0.25	10	199236-200-010
Red	1.01	40	199236-200-040
White	1.77	70	199236-200-070
Black	4.57	180	199236-200-180



# EASYNET PATIENT MODULES



## AMPLIFIER CABLE

Connects Easy® III Amplifier to Power/Com Module for power and communications.

Product	Length		Part No.
	m	ft	
Amplifier Cable	0.45	1.5	362046-000
	2	6	362038-000
	4	13	362039-000

## AC POWER CABLE FOR POWER/COM MODULE



Connects Power/Com Module to AC Power.

Product	Length		Part No.
	m	ft	
AC Power Cable	3	9.75	286114-000

## 10 BASE-T CABLE

Connects Power/Com Module to PC for data communication.  
Also used between camera and PC, and camera to PoE power supply module.



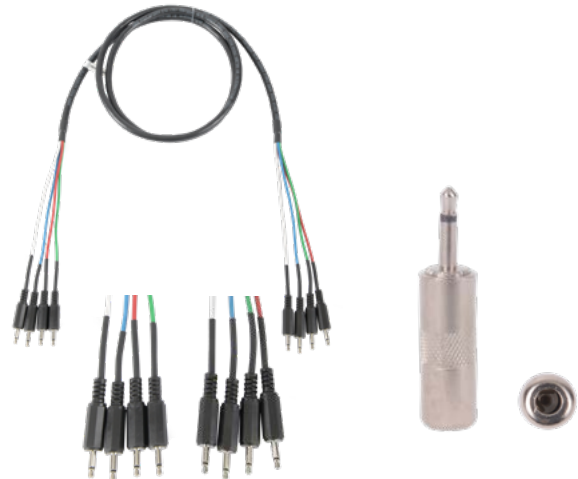
Product	Length		Part No.
	m	ft	
10 BASE-T Cable	2	6.5	286050-000
	7.6	25	199136-200-025
	15.2	50	199136-200-050
	22.8	75	199136-200-075
	30.4	100	199136-200-100



## REMOTE INPUT BOX CABLE

Connects Easy® III Amplifier to Remote Input Box.

Product	Length		Part No.
	m	ft	
Remote Input Box Cable	3	10	199216-000
	6	20	199216-000-020
	9	30	199216-000-030



## DC AMP CABLE AND ADAPTER

3.5 mm mono male to 3.5 mm mono male cable for connection of auxiliary /DC devices.

Cable Adapter adapts 3.5 mm mono DC input to 2.5 mm mono for auxiliary channels requiring smaller connection.

Product	Length		Part No.
	m	ft	
DC Amp Cable	1.82	6	199245-200-006
DC Amp Cable Adapter	-	-	277035-000



## AUXILIARY DEVICES

### RESTECH DX-PH MEASUREMENT SYSTEM

The Dx-pH Measurement System monitors pH in the airway, assisting the sleep physicians in determining the relationship between laryngopharyngeal reflux and various conditions including, recurrent laryngitis, chronic cough, sinusitis, asthma, sleep-disordered breathing, and chronic obstructive pulmonary disease.

The pH Measurement system includes recorder, transmitter, calibration stand, two SD memory cards, SD memory card reader, recorder carrying case, two transmitter carrying cases, four AA alkaline batteries, 10 coin cell batteries, special tool, and software.

The pH Sleep Cadwell Adapter is needed for Cadwell systems. It connects the Restech recorder to the DC input on the amplifier. This is a special order item and may require lead time.

Product	Part No.
Restech Dx-pH Measurement System	202263-000
pH Sleep Cadwell Adapter	202264-000
3-Volt Coin Cell Batteries	245014-000-PK20

# AUXILIARY DEVICES



## NONIN RESPSENSE EtCO<sub>2</sub> MONITOR ACCESSORIES

The Nonin RespSense Tabletop EtCO<sub>2</sub> Monitor features MedAir™ EtCO<sub>2</sub> technology for continuous long-term monitoring. It is simple and easy-to-use for EtCO<sub>2</sub> spot-checks, as well as ET-tube placement verification. Portable, accurate, and cost-effective, RespSense™ is ideal for emergency services and ambulance use, or in clinical settings where fast, easy EtCO<sub>2</sub> monitoring is required.

*(Note: The Nonin RespSense device image is for reference only. This device is not available for purchase and only accessories are available.)*

Product	Part No.
DC Input Adapter Cable Nonin: Easy III	199259-000
Moisture Trap	202630-000



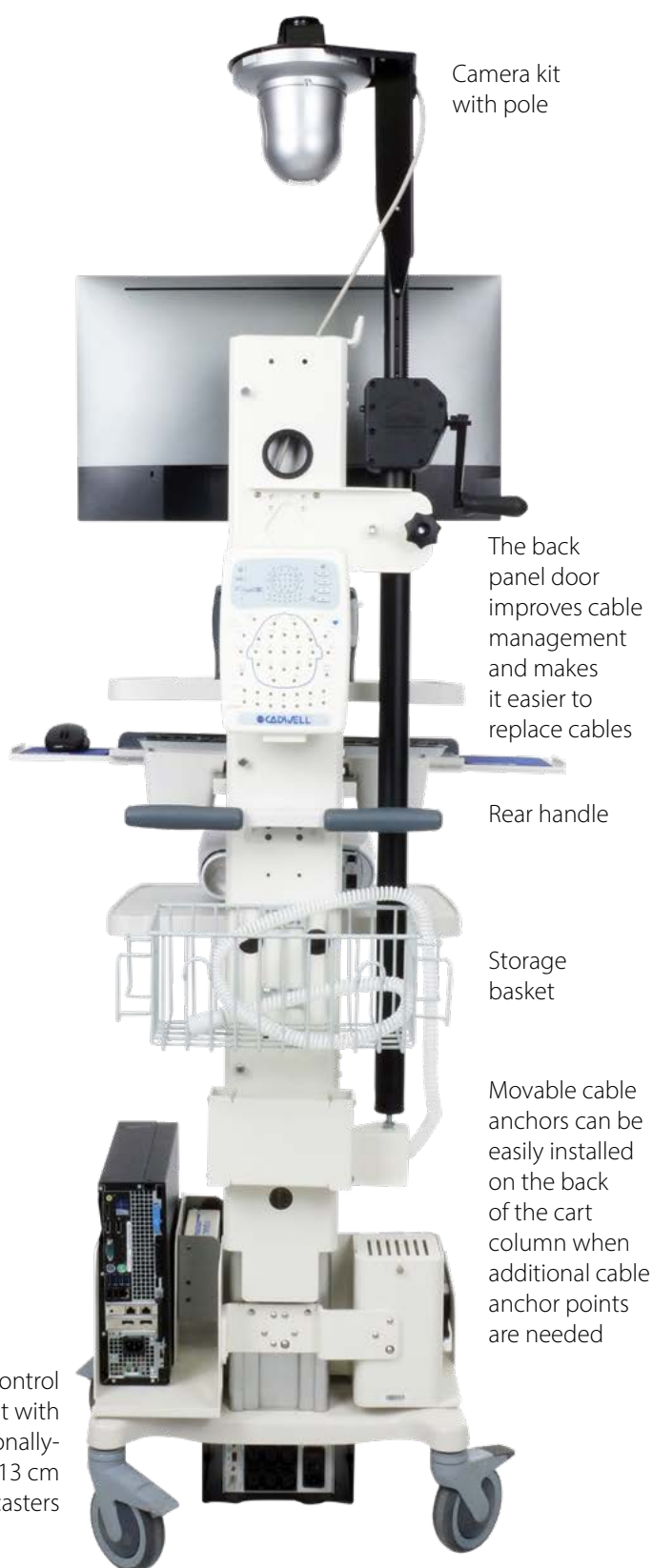
## SENTEC DIGITAL TRANSCUTANEOUS CO<sub>2</sub> MONITOR

This bedside monitor has an integrated calibration chamber for virtually all situations where continuous ventilation and oxygenation monitoring matter. It allows continuous monitoring of pCO<sub>2</sub> levels to assess nocturnal hypoventilation and assist with titration of noninvasive ventilation.

Product	Part No.
Monitor with Sensor, Starter Kit, and Analog Output Cable	9600201*
Monitor with 18-Month Program Sensor, Starter Kit, and Analog Output Cable	9600202*

*\*Special order. Requires lead time*





## E3 CART

The E3 Cart is specifically engineered for your sleep lab environment. Designed to be an ergonomic, mobile workstation with optimal shelf and storage space.

### E3 IS COMPATIBLE WITH

- Small Form Factor PC with a monitor or an All-in-One (AIO) PC up to 27 in/69 cm
- CPAP
- EtCO<sub>2</sub> monitor
- Easy® III Photoc Stimulator
- New Isolation Transformer\* or Tripp Lite UPS

### E3 STANDARD CONFIGURATION

- Worksurface (1)
- Keyboard tray
- Rear mounted basket
- Lower bin and divider plate (space for UPS, SFF, or shelf space for a CPAP when Tripp Lite is used on cart)
- Easy® III Power/Com Module holder
- Monitor mount
- Rear handle
- Isolation transformer and bracket installed (when the E3 cart with isolation transformer is ordered)

Order Qty.	Product	Part No.
E3 Cart	for SFF PC or AIO PC, with Isolation Transformer	9607096
	for SFF PC or AIO PC with Uninterrupted Power Supply	9607097



*Removable supply drawer—ideal for infection control*

### OPTIONS

- Adjustable camera pole with a PoE IR Illuminator\*\* that is compatible with Sony PTZ 520 SD or 550 HD cameras
- 1 or 2 arm brackets
- Add an optional removable supply drawer to your cart

Order Qty.	Product	Part No.
1	HD Camera/IR Kit for E3 Cart	9609006
1 or 2	Articulating Arm for Easy III Photoc Stimulator	9607097
1 or 2	Arm Mount	334786-000
1	Removable Supply Drawer (optional)	111188-000

\* The older Cadwell ISO transformer (199255-200) will not fit on this cart due to limited space under the wheel base.

\*\* The older IR Illuminators cannot be used with the E3 cart.

# COMPUTERS, AUDIO, AND VIDEO

## PERSONAL COMPUTERS AND MONITORS

Easy® III PSG software may be installed on either computers supplied by Cadwell or computers managed and maintained by your IT department, if they meet Cadwell's minimum computer requirements. Computers purchased from Cadwell include Microsoft Office. Computer models may change. Contact your Cadwell Sales Representative for the latest available computer options and to review the minimum computer requirements.

Order Qty.	Product	Part No.
Your choice of PC	All-in-One (AIO) Desktop PC (27 in) (does not require an external monitor, not for Pole Cart use)	9602138
	High performance laptop PC (not for use as CadLink® server)	9602141
	+ (optional) Portable DVD drive	291238-000
	Small Form Factor (SFF) Desktop PC	9602134
	Mini PC (single monitor use only)	9602145
+ your choice of monitor(s)	Dual Monitor Kit for SFF (includes 2x24 in monitors)	9602011
	24 in Flat Panel Widescreen Monitor (for use on a cart)	9602009
	27 in Flat Panel Widescreen Monitor (compatible with single monitor carts and recommended for desktop system)	291255-000
+ optional	Wireless Keyboard and Mouse	291214-000
	Wireless Mouse	291202-000
	USB Mouse	291161-000
	Speaker, Soundbar (for 24 in monitor only)	291216-000
	Speaker, USB	291258-200
	4-port USB Hub	290156-000
	7-port USB Hub (for ApneaTrak)	290173-000
	13-port USB Hub (for ApneaTrak)	302027-000
	Monitor or AIO Wall Mount Bracket	080015-000
	Ethernet Adapter, StarTech USB (when using AIO with Sony cameras)	286098-000
	Ethernet Adapter, Linksys USB	290158-000
	5-port Ethernet 10/100/1 GB Switch (for three or more PCs)	290152-000
	Display Port Cable for SFF (if you provide your own monitor)	286116-000
	additional 7 ft Patch Cable	286050-000
	Medical Grade Uninterrupted Power Supply, 1k VA, with 4 outlets	9010006
	Medical Grade Power Strip with 6-plugs	291265-000

# COMPUTERS, AUDIO, AND VIDEO



## ALL-IN-ONE 27 INCH DESKTOP PC

This desktop PC does not require an external monitor and is compatible with any single-monitor configuration.



## SMALL FORM FACTOR PC

Use with Dual Monitor Kit or monitors.



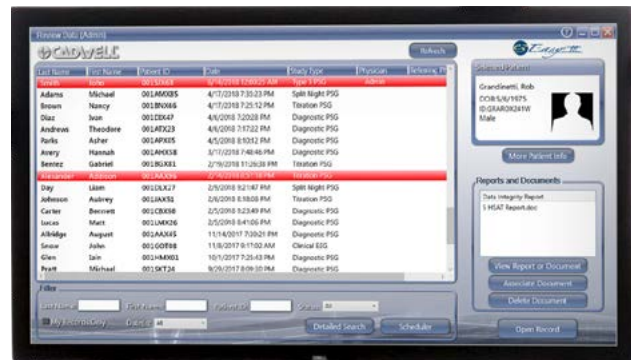
## HIGH PERFORMANCE LAPTOP PC

Can be used with external monitor(s).



## 27 INCH FLAT PANEL WIDESCREEN MONITOR

For use with Laptop or SFF Desktop PC on single-monitor carts.



## 24 INCH FLAT PANEL WIDESCREEN MONITOR

For use with Laptop or SFF Desktop PC (also available in Dual Monitor Kit for SFF).

# COMPUTERS, AUDIO, AND VIDEO

## CAMERAS AND INFRARED ILLUMINATORS

A variety of cameras and infrared illuminators help create optimal low-light video environments during your in-lab PSG tests. Wall, ceiling and cart mounts are available.

The Panasonic IP Camera offers 1080P, and can be configured for lower resolutions to reduce file size on the stored video.

The camera is capable of simultaneously outputting four different video streams that can each be configured to different resolutions. At 1080P, the camera has a 21x optical zoom; and at 720P, the camera can utilize the additional resolution to optically enhance zoom up to 31x. The camera can be controlled remotely through a web browser.

The Raytec Infrared Illuminator is an 850nm IR that provides 120-degree wide-angle diffusion of IR light to better illuminate an entire room with less hot spots.

Both the camera and IR use Power-Over-Ethernet (PoE) 802.3AF and a dual port mid-span PoE to supply power to both devices. Using a PoE injector gives significant flexibility for placing power near or far from where the camera is installed.



## INFRARED ILLUMINATOR

Product	Part No.
IR Illuminator, 850 nm PoE, 120 Degrees (not compatible with Sony cameras)	198274-200



*PTZ HD Camera*

## CAMERAS

Product	Part No.
PTZ HD Camera for Drop Ceiling Mount	9609015
PTZ HD Camera for Ceiling Mount	9606013
PTZ HD Camera for Wall Mount	9609007
HD Webcam	198233-000
USB Camera with a Flexible Arm	197261-200
Wall-mount Color Camera with built-in Infrared Illumination (HIKvision cameras require a network adapter)	9800015
Arm-mounted Color Camera with built-in Infrared Illumination (compatible with Fuzion cart, recommended for use with isolation transformer)	9606009
Dazzle Video Converter (purchase if you are using your own cameras)	290157-000



## POWER-OVER-ETHERNET (PoE)

Product	Part No.
Dual Port Power-Over-Ethernet (PoE) Power Supply, 60W	229053-000



# COMPUTERS, AUDIO, AND VIDEO

## AUDIO DEVICES

Audio devices are used to capture audio from the sleep environment that may be clinically relevant, like breathing sounds, snoring, or body movements. The Louroe Intercom can be used to communicate with the patient from the sleep technologist station.



Shure Audio Mixer and  
Low Omni Direct Microphone

## SPEAKER & AUDIO MIXERS: ONE-WAY AUDIO

Order Qty.	Product	Part No.
1 each	Audio Mixer, Shure SCM268	198160-000
	Microphone, Low Omni Direct	291053-000



MXL AC-404 Microphone

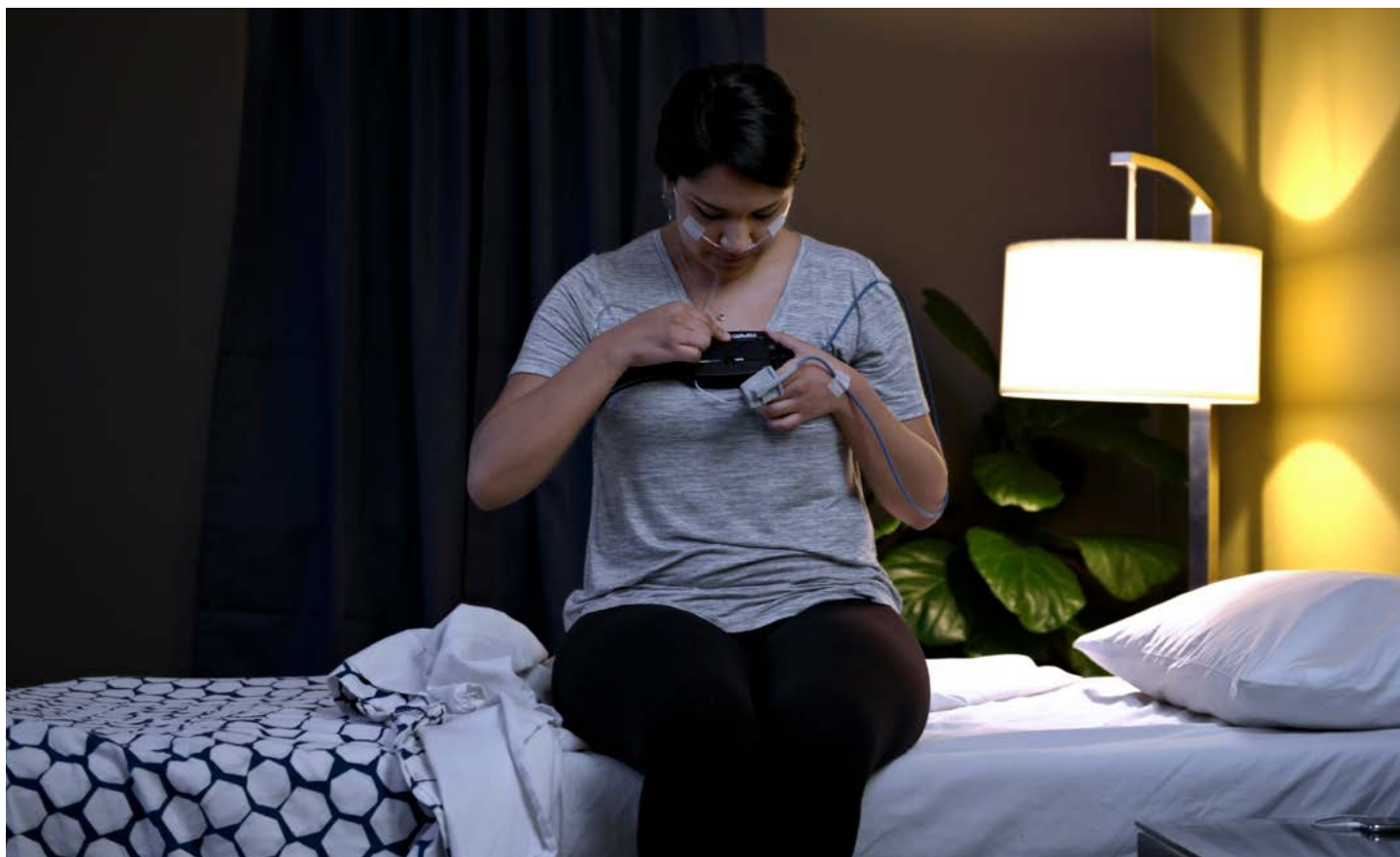
## AUDIO MICROPHONE (FOR CARTS)

Order Qty.	Product	Part No.
1	MXL AC-404 Microphone for carts (does not need a mixer)	291054-000



## LOUROS INTERCOM SYSTEM: TWO-WAY AUDIO

Order Qty.	Product	Part No.
Choose one of the following intercom cables	Intercom with 25 ft cable	197248-200-025
	Intercom with 50 ft cable	197248-200-050
	Intercom with 75 ft cable	197248-200-075
	Intercom with 100 ft cable	197248-200-100
	Intercom with 200 ft cable	197248-200-200
	Intercom with 300 ft cable	197248-200-300
and	Intercom Accessory Kit	197249-200



## APNEATRAK FOR HSAT

Seamlessly integrate Type 3 home sleep study tests into your sleep lab with the new generation of ApneaTrak<sup>®</sup> Home Sleep Apnea Test (HSAT) device.

Thoughtful design helps your patients confidently and comfortably complete their testing. Setup is simple with color-coded connections, and anatomical imagery. The built-in, rechargeable battery records up to three nights on each charge.

Choose from a variety of reusable and disposable sensors to match your program needs. ApneaTrak<sup>®</sup> disposable HSAT kits are available exclusively for the new ApneaTrak<sup>®</sup>, and do not require interface cables. Save time cleaning after every patient and reduce possible infection control issues. Upon return, keep the device and throw everything else away. Reusable kits are also available. Patient instruction videos, and color-coded connections help improve study success rates.

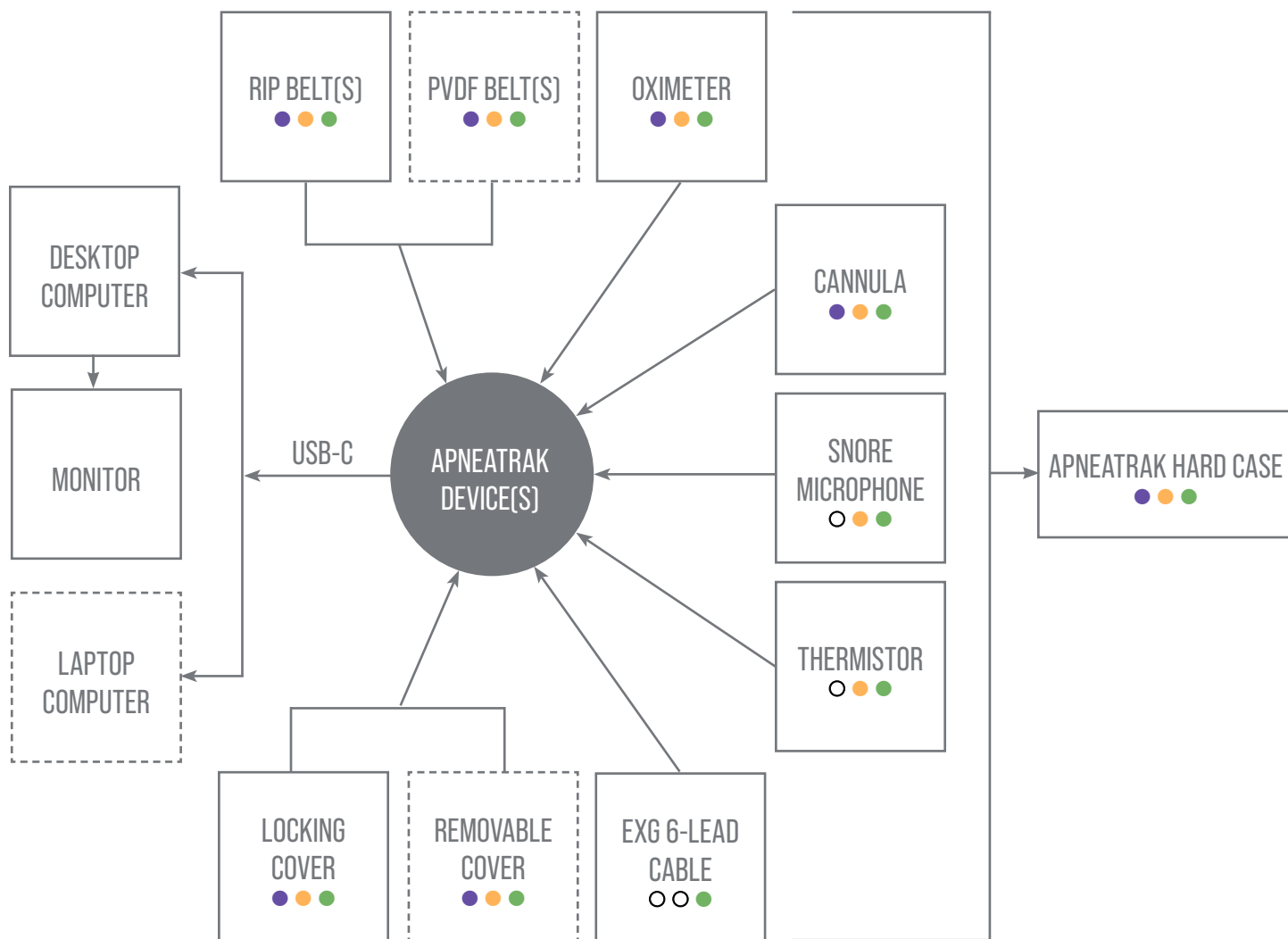
User and patient instruction videos and manuals help you seamlessly integrate ApneaTrak<sup>®</sup> into your practice. ApneaTrak<sup>®</sup> home sleep testing devices are powerful tools for the diagnosis and treatment of sleep apnea.

## SIMPLIFY YOUR SLEEP PROGRAM WORKFLOW

ApneaTrak<sup>®</sup> offers an efficient workflow. A single connection downloads data to the software for easy scoring and review, charges the ApneaTrak<sup>®</sup>, and readies it for the next patient. Reviewing PSG and HSAT studies on one integrated software platform provides efficiency in training and ongoing use. Built-in, rechargeable batteries help reduce the costs of battery replacement and enable recording of up to 24 hours of data over three nights on a single charge.

# APNEATRAK HSAT SOLUTION OVERVIEW

Product Compatibility: ● ApneaTrak® Core ● ApneaTrak® Legacy ● ApneaTrak® TST



Configuration	Core	Legacy	TST
Thoracic Effort	●	●	●
Oximeter	●	●	●
Pulse Rate	●	●	●
Snore (from cannula)	●	●	●
Pressure	●	●	●
Plethysmography	●	●	●
Body Position	●	●	●
Abdominal Effort		●	●
Snore Sensor		●	●
Thermistor		●	●
ExG (3 channels)			●
<b>Channels</b>	<b>7</b>	<b>10</b>	<b>13</b>

Solid lines denote typical configuration.  
Dashed lines indicate optional equipment.



## APNEATRAK SYSTEMS AND COMPONENTS

Each ApneaTrak device purchased includes an ApneaTrak Starter Pack.

Product	Includes	Part No.
● ○ ○ ApneaTrak Core System	1 ApneaTrak Core device and your choice of Starter Pack	9600734
● ○ ○ Core Disposable Starter Pack	5 Disposable Core HSAT Kits + USB Cable + ApneaTrak Hard Case	9600737
● ○ ○ Core RIP Reusable Starter Pack	1 ApneaTrak Hard Case + 1 USB Cable + 1 RIPmate Effort Belt + 1 Chest RIP Cable + 1 Oximeter + 5 Cannulas	197302-200
● ○ ○ Core PVDF Reusable Starter Pack	1 ApneaTrak Hard Case + 1 USB Cable + 1 PVDF Effort Belt + 1 Oximeter + 5 Cannulas	197303-200
○ ● ○ ApneaTrak Legacy System	1 ApneaTrak Legacy device and your choice of Starter Pack	9600735
○ ● ○ Legacy Disposable Starter Pack	5 Disposable Legacy HSAT Kits + 1 USB Cable + 1 ApneaTrak Hard Case	9600738
○ ● ○ Legacy RIP Reusable Starter Pack	1 ApneaTrak Hard Case + 1 USB Cable + 2 RIPmate Effort Belts + 1 Chest RIP Cable + 1 Abdomen RIP Cable + 1 Oximeter + 5 Cannulas + 1 Snore Sensor + 1 Tape Roll	197304-200
○ ● ○ Legacy PVDF Reusable Starter Pack	1 ApneaTrak Hard Case + 1 USB Cable + 2 PVDF Effort Belts + 1 Oximeter + 5 Cannulas + 1 Snore Sensor + 1 Tape Roll	197305-200
○ ○ ● ApneaTrak TST System	1 ApneaTrak TST device and your choice of Starter Pack	9600736
○ ○ ● TST Disposable Starter Pack	1 ExG Cable + 5 Disposable TST HSAT Kits + 1 USB Cable + 1 ApneaTrak Hard Case	9600739
○ ○ ● TST RIP Reusable Starter Pack	1 ExG Cable + 1 ApneaTrak Hard Case + 1 USB Cable + 2 RIPmate Effort Belts + 1 Chest RIP Cable + 1 Abdomen RIP Cable + 1 Oximeter + 5 Cannulas + 1 Snore Sensor + 1 Tape Roll	197306-200
○ ○ ● TST PVDF Reusable Starter Pack	1 ExG Cable + 1 ApneaTrak Hard Case + 1 USB Cable + 2 PVDF Effort Belts + 1 Oximeter + 5 Cannulas + 1 Snore Sensor + 1 Tape Roll	197307-200

# APNEATRAK SYSTEMS AND COMPONENTS

Product Compatibility: ● ApneaTrak® Core ● ApneaTrak® Legacy ● ApneaTrak® TST



## APNEATRAK HARD CASE

Product		Part No.
● ● ●	ApneaTrak Hard Case	198272-000



## USB A-C CABLE

Product		Part No.
● ● ●	USB Cable, A-C Cable 6 ft	286113-000
● ● ●	USB Cable, A-C Cable 3 ft	286133-000



## LOCKING COVER

Product		Part No.
● ● ●	Locking Cover	336278-000



## HAND REMOVABLE COVER

Product		Part No.
● ● ●	Hand Removable Cover	336253-000



## BELT CLIP

Product		Part No.
● ● ●	Belt Clip Replacement	336255-000



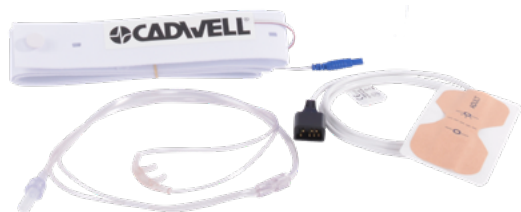
## ExG 6 GOLD CUP INTERFACE CABLE, REUSABLE

Product		Part No.
○ ○ ●	ExG 6 Gold Cup Interface Cable, Reusable	203104-200



## DISPOSABLE APNEATRAK STARTER PACKS

Disposable ApneaTrak® Starter Packs come prepackaged and are completely disposable, requiring no interface cables. The hard case protects the ApneaTrak® and HSAT Kits during patient transport, and the USB cable connects the device to the PC. You may purchase additional disposable HSAT kits. All components have color-coded connectors to match the color-coded ports on the ApneaTrak® devices.



ApneaTrak® Hard Case



USB A-C Cable



### APNEATRAK CORE DISPOSABLE STARTER PACK

Product	Part No.
● ○ ○ Core Disposable Starter Pack, includes:	9600737
1 ApneaTrak Hard Case	198272-000
1 USB 2.0 A-C Cable (3 ft)	286133-000
● ○ ○ 5 Disposable ApneaTrak Core HSAT Kits, each kit includes:	302026-000
1 Cadwell Disposable PVDF Chest Effort Belt	203085-000
1 Cadwell Disposable SpO <sub>2</sub> Sensor	304002-000
1 Salter Adult Nasal Cannula (1 ft)	202670-040-001E

### APNEATRAK TST DISPOSABLE STARTER PACK

Product	Part No.
○ ○ ● TST Disposable Starter Pack, includes:	9600739
1 ApneaTrak Hard Case	198272-000
1 USB Cable, A-C Cable 3 ft	286133-000
1 ExG 6 Gold Cup Interface Cable, Reusable	203104-200
○ ● ● 5 Disposable Legacy HSAT Kits (see kit listing at right for contents)	302027-000

### APNEATRAK LEGACY DISPOSABLE STARTER PACK

Product	Part No.
○ ● ○ Legacy Disposable Starter Pack, includes:	9600738
1 ApneaTrak Hard Case	198272-000
1 USB Cable, A-C Cable 3 ft	286133-000
○ ● ● 5 Disposable Legacy HSAT Kits, each kit includes:	302027-000
1 Chest and Abdominal Disposable PVDF Effort Belt	203086-000
1 Airflow Sensor	203087-000
1 Snore Sensor	203088-000
1 Oximeter	304002-000
1 Cannula	02663-040-002E

# APNEATRAK STARTER PACKS

Product Compatibility: ● ApneaTrak® Core ● ApneaTrak® Legacy ● ApneaTrak® TST

## REUSABLE APNEATRAK STARTER PACKS

Reusable ApneaTrak® Starter Packs for Core, Legacy, and TST include components that can be cleaned between patients. The hard case protects the ApneaTrak® and HSAT Kits during patient transport, and the USB cable connects the device to the PC. All components have color-coded connectors to match the color-coded ports on the ApneaTrak® devices.



ApneaTrak® Hard Case



USB A-C Cable



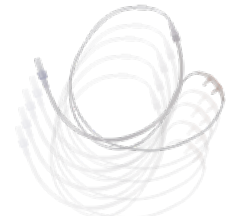
RIPmate® Effort Belt



RIP effort chest cable



Reusable soft oximeter



Cannulas



RIP effort abdomen cable



Reusable Snore Sensor



3M® Micropore™ Tape



Reusable ExG 6 Gold Cup Interface Cable







● 197302-200 Core Reusable Starter Pack includes	● 197304-200 Legacy Reusable Starter Pack includes	● 197306-200 TST Reusable Starter Pack includes	Product	Part No.
1	1	1	ApneaTrak Hard Case	198272-000
1	1	1	USB 2.0 A-C Cable (3 ft / 36 in)	286133-000
1	2	2	RIPmate Effort Belt, Chest or Abdomen, adult	202648-040
1	1	1	Keyhole to Touch-Proof Lead for Thoracic RIP Belt, 10 in, Blue-Black	202449-200-010
1	1	1	Reusable SpO <sub>2</sub> Sensor	304001-000
5	5	5	Cannulas	202670-040-001E
-	1	1	Keyhole to Touch-Proof Lead for Abdominal RIP Belt, 20 in, Yellow-Black	202448-200-020
-	1	1	Snore Microphone	302563-200-1024
-	1	1	3M® Micropore™ Tape roll	202364-000
-	-	1	Reusable ExG 6 Gold Cup Interface Cable (36 in)	203104-200

## HSAT SUPPLIES



## DISPOSABLE FASTTRACK EFFORT





Use the buttons and cut off excess belt to adjust the length of Disposable FastTrack™ PVDF Effort Belts with integrated cables.

Product	Dymedix No.	Part No.
 1 Disposable FastTrack Effort Belt Keyhole Kit = 1 Chest Belt + 1 Abdomen Belt	11-44300-7502	203086-000
 10 Disposable FastTrack Effort Belt Keyhole Kits = 10 Chest Belts + 10 Abdomen Belts	11-44300-7510	203086-000-010
 50 Disposable FastTrack Effort Belt Keyhole Kits = 50 Chest Belts + 50 Abdomen Belts	11-44300-7502	203086-000-050
 1 Disposable FastTrack Chest Effort Belt Keyhole	11-44100-7501	203085-000
 10 Disposable FastTrack Chest Effort Belts Keyhole	11-44100-7510	203085-000-010
 50 Disposable FastTrack Chest Effort Belts Keyhole	11-44100-7550	203085-000-050



## DISPOSABLE PERFECTFIT 3D EFFORT

Disposable Effort Belt Strap comes in 50-yard rolls and is cut to size and attach by buttonholes to PerfectFit 3D PVDF effort sensors with integrated interface cables.

Product	Part No.
 PerfectFit 3D Kit for ApneaTrak = 1 reusable Abdomen Effort Keyhole Sensor + 1 reusable Chest Effort Keyhole Sensor + 5 50-yard Disposable Button-Hole Effort Belt Rolls	203086-000
 Abdomen Effort Belt Sensor, reusable, yellow keyhole	203086-000-010
 Chest Effort Belt Sensor, reusable, blue keyhole	203085-000-010
 1 roll Disposable Effort Belt Strap, 50 yards	203085-000-050

# HSAT SUPPLIES

Product Compatibility: ● ApneaTrak® Core ● ApneaTrak® Legacy ● ApneaTrak® TST



## RIPMATE EFFORT

RIPmate® Effort Belt is adjustable and used with RIP effort cables.

Product	Part No.
● ● ● RIPmate Effort Belt, Chest or Abdomen, adult	202648-040
● ● ● Keyhole to touch-proof lead for Thoracic RIP belt (blue)	202449-200-010
● ● ● Keyhole to touch-proof lead for Abdominal RIP belt (yellow)	202448-200-020



## APNEATRAK PVDF EFFORT

ApneaTrak® PVDF Belts are adjustable and attach by buckles to sensors with integrated interface cables.

Product	Dymedix No.	Part No.
● ● ● ApneaTrak PVDF Chest Kit (includes one sensor and one strap) (Anatomical Marker)	11-94320-0601	203093-000
○ ● ● ApneaTrak PVDF Chest and Abdomen Kit (Includes Sensor and Strap) (Anatomical Marker)	11-94330-0602	203094-000
● ● ● ApneaTrak PVDF Chest Sensor (Anatomical Marker)	11-42710-0601	203095-000
○ ● ● ApneaTrak PVDF Abdomen Sensor (Anatomical Marker)	-	203096-000
● ● ● 2 ApneaTrak PVDF Straps, 45 in	11-432000-4502	203006-050
● ● ● 2 ApneaTrak PVDF Straps, 60 in	11-432000-6002	203006-060
● ● ● 2 ApneaTrak PVDF Straps, 75 in	11-43200-7502	203006-070

## SLEEPMATE SNORE SENSOR/MICROPHONE



Product	Part No.
○ ● ● Sleepmate Snore Microphone, keyhole connector	302563-200-1024



## REUSABLE SOFT OXIMETER

Product	Part No.
● ● ● Reusable SpO <sub>2</sub> Sensor	304001-000



Nonin Adult FlexiWraps (left) with Nonin Adult Flex Sensor (right)

## NONIN FLEX SENSOR + FLEXIWRAPS

Soft Tip sensors have a one-year warranty. FlexiWrap sensors come with a 25 pack of FlexiWrap adhesives and have a 90-day warranty.

Product	Part No.
● ● ● Nonin® Soft Tip Sensor, medium, 1 m (39 in)	202948-040-100
● ● ● Nonin Software Tip Sensor, large, 1 m (39 in)	202948-050-100
● ● ● Nonin FlexiWrap Sensor, adult, 1 m (39 in)	202942-000-100
● ● ● Nonin Adult FlexiWrap Sensor, 25-pack	202945-000



Inductive Interface Buckle Chest



Adult ThermoCan™ Interface Cable






Inductive Interface Buckle Abdomen






Adult ThermoCan™ Cannula

## DISPOSABLE RIP SYSTEM USED WITH APNEATRAK

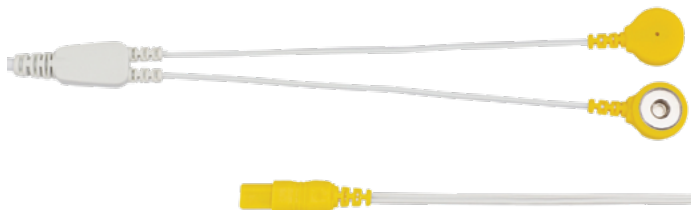
Product	Part No.
 Inductive Interface Buckle Chest, Adult, 90 cm / Key Connector	302582-200-1018
 Inductive Interface Buckle Abdomen, Adult, 90 cm / Key Connector	302581-200-1018
 Adult Disposable Inductive Starter Kit / Key Connector	302583-200-1018
** Note, this system uses the disposable belts found in the the PSG disposable RIP system section	

## THERMOCAN™ USED WITH APNEATRAK

Product	Part No.
 Adult ThermoCan™ Interface Cable, 90 cm / Key Connector	302588-200-1036
 2 ft Adult ThermoCan™ Cannula (Box 50)	203137-000
 Adult ThermoCan™ Starter Kit / Key Connector (Box 25)	302589-200-1036
** Note, this system uses the cannulas found in the PSG ThermoCan system section.	



Product Compatibility: ● ApneaTrak® Core ● ApneaTrak® Legacy ● ApneaTrak® TST



Inductive Interface Cable, Abdomen



Semi-Reusable Inductive Belt X-Large



Inductive Interface Cable, Chest



Semi-Reusable Inductive Belt Small

## SEMI-REUSABLE INDUCTIVE USED WITH APNEATRAK

Product	Part No.
● ● ● Inductive Interface Cable, Abdomen, 90 cm / Key Connector	203145-000
● ● ● Inductive Interface Cable Chest, 90 cm / Key Connector	203146-000
** Note, this system uses the belts found in the Semi- Reusable PSG section (reference image at left)	

# PSG ELECTRODE KITS

## PSG SETUP KIT

197358-200 PSG Setup Kit includes:	Part No.
1 Gel, NuPrep 25g/1 oz Single	202181-000
1x 200/Box Gauze Pad, 2 in x 2 in	202162-000
1 roll Tape, 3M Micropore, 1 in	202364-000
1x 200/box Pad, Alcohol	202165-000
1 roll Tape, Stretch Cover, 2 in x 2 yd	202174-000-002
1 Cadwell Measuring Tape	202161-000
1 Conductive Paste, Ten20, 50 g/2 oz	202158-000

## DISPOSABLE KITS

\*The Disposable Interface Kit is required in addition to the Pediatric Disposable PSG Kit or Adult Disposable PSG Kit.

197357-200 Disposable Interface Kit* includes:	Part No.
1 DyMedix Airflow FM1 Interface Cable, TP	203026-000
1 AccuSnore Reusable Interface Cable, TP	203106-000
1 RIPmate Lock, Abdominal with Extension Cable	302590-200
1 RIPmate Lock, Thorax with Extension Cable	302591-200
1 Nonin Oximeter Extender Cable, 3 m/120 in	202949-000
1 RIPmate Thoracic Processor	302518-200-0000
1 RIPmate Abdominal Processor	302519-200-0000

197354-200 Adult Disposable PSG Kit includes:	Part No.
20 x 15/pack Cadwell Disposable Cup Electrodes, 2.5 m/98 in	302642-000-098
2 x 10/box Cadwell Disposable 4-disc Electrodes, 2.5 m/98 in	302298-000-098
4 x 10/box Cadwell Disposable 4-disc Electrodes, 3 m/118 in	302298-000-118
25 Nasal Airflow Cannulas, Adult, 2 m/84 in	202663-040-007
2 x 10/pack PVDF Airflow Sensor, Medium	203027-000-010
2 x 10/pack AccuSnore Disposable Sensors	203107-000-010
1 RIPmate Disposable Belt Roll, 23 m/75 ft	302513-200-0000
24 MedLinket Disposable Adult Oximeters, 1.2 m/47 in	202941-030

197356-200 Pediatric Disposable PSG Kit includes:	Part No.
20 x 15/pack Cadwell Disposable Cup Electrodes, 2.5 m/98 in	302642-000-098
2 x 10/box Cadwell Disposable 4-disc Electrodes, 2.5 m/98 in	302298-000-098
4 x 10/box Cadwell Disposable 4-disc Electrodes, 3 m/118 in	302298-000-118
25 Nasal Airflow/EtCO <sub>2</sub> Cannulas, Pediatric, 17 cm/7 in	202664-020-007
2 x 10/pack PVDF Airflow Sensors, Pediatric	203065-000-010
2 x 10/pack AccuSnore Disposable Sensors	203107-000-010
1 RIPmate Disposable Belt Roll, 23 m/75 ft	302513-200-000
24 Nonin 6000CP Disposable Oximeters, pediatric 1 m/39 in	202940-020

# PSG ELECTRODE KITS

## REUSABLE KITS

197353-200 Adult Reusable PSG Kit includes:	Part No.
10 Cadwell Gold Cup Electrodes, red leads, 1.5 m/60 in	302647-200
10 Cadwell Gold Cup Electrodes, black leads, 1.5 m/60 in	302641-200
1 Flat Snap Electrode, red lead, 1.5 m/60 in	302696-200
1 Flat Snap Electrode, black lead, 1.5 m/60 in	302697-200
2 Flat Snap Electrodes, red leads, 3 m/120 in	302698-200
2 Flat Snap Electrode, black leads, 3 m/120 in	302699-200
20 x 3/pack Oval Adhesive Gel Electrodes	302701-000
1 x 50/box CannuTherm Adult Cannula Filter, 84 in	302572-200-0484
1 CannuTherm Thermocouple Kit = 1 Thermocouple Sensor, TP, 2 m/80 in + 50 Nasal Cannulas with Filter, 2 m/80 in	302534-200-0080
1 Sleepmate Snore Microphone, TP, 2 m/80 in	302556-200-0080
1 RIPmate Adult Kit, TP, 2 m/80 in	302510-200-0480
1 Soft Pulse Oximeter, Medium, 3 m/120 in	202948-040-300

197355-200 Pediatric Reusable PSG Kit includes:	Part No.
10 Cadwell Gold Cup Electrodes, red leads, 1.5 m/60 in	302647-200
10 Cadwell Gold Cup Electrodes, black leads, 1.5 m/60 in	302641-200
1 Flat Snap Electrode, red lead, 1.5 m/60 in	302696-200
1 Flat Snap Electrode, black lead, 1.5 m/60 in	302697-200
2 Flat Snap Electrodes, red leads, 3 m/120 in	302698-200
2 Flat Snap Electrode, black leads, 3 m/120 in	302699-200
20 x 3/pack Oval Adhesive Gel Electrodes	302701-000
25 Nasal Airflow/EtCO <sub>2</sub> Cannulas, pediatric, 17 cm/7 in	202664-020-007
1 ThermiSense Pediatric Thermistor Kit = 1 Interface Box + 1 Pediatric Oral/Nasal Thermistor + 1 Nasal EtCO <sub>2</sub> and Pressure Monitoring Cannula + 1 Oral/Nasal EtCO <sub>2</sub> Pressure Monitoring Cannula + 1 Cannula Filter	202662-020
1 Snore Microphone, TP, 2 m/80 in	302556-200-0080
1 RIPmate Pediatric Kit = 2 Pediatric Belts + 1 Thoracic Processor + 1 Abdomen Processor + 2 80 in cables	302510-200-0280
1 Sensor, SpO <sub>2</sub> Disposable Cloth Pediatric, 1 m	202940-020
1 Nonin Oximeter Extender Cable, 3 m/120 in	202949-000

# ELECTRODES

## CADWELL PREMIUM GOLD CUP EEG ELECTRODES

Adult gold cup electrodes 0.4 in (10 mm) diameter cups are over-molded to multi-color lead wires and have 0.08 in (2 mm) holes for easy paste/collodion application. Various lead lengths and quantities available.



Product	Length	Qty	Color	Part No.
Cadwell Premium Gold Cup EEG Electrodes	60 in (1.52 m)	10/pk	black	302641-200
	60 in (1.52 m)	10/pk	yellow	302644-200
	60 in (1.52 m)	10/pk	red	302647-200



## CADWELL DISPOSABLE ELECTRODE WITH LEAD WIRE

Large 40 mm x 50 mm pad size allows enough surface area for ECG or Leg EMG, and superior hydrogel is easily repositioned and conforms to the body. Individually packaged.

Product	Length		Part No.
20 Cadwell Disposable Pad Electrodes	1 m	39 in	302299-000-039
	1.5 m	59 in	302299-000-059
24 Cadwell Disposable Pad Electrodes	2 m	78 in	302299-000-078
	2.5 m	98 in	302299-000-098
	3 m	118 in	302299-000-118

## CADWELL GOLD CUP ELECTRODES

Two cup size options are available for adult and pediatric use.



Product	Cup	Length	Qty	Part No.
Cadwell Adult Gold Cup Electrodes	10 mm	60 in (1.52 m)	12/pk	202110-000-060
		80 in (2 m)		202110-000-080
		100 in (2.54 m)		202110-000-100*
Cadwell Pediatric Gold Cup Electrodes	6 mm	40 in (1 m)	12/pk	202111-000-040*
		60 in (1.52 m)		202111-000-060
		80 in (2 m)		202111-000-080



## CADWELL DISPOSABLE 4-DISC ELECTRODES WITH LEADS

Cadwell Disposable 4-Disc 20 mm Electrodes are designed with an Ag/AgCL sensor for recording and stimulation. Large pad size makes these useful for ECG and leg EMG. An extra thick and flexible conductive gel on the electrode can be easily repositioned on all types of skin. We considered patient comfort and user friendliness with soft red, blue, green, and black lead wires, and easier workflow with optimized connectors for headbox insertion and extraction. Each box contains 10 sets of individually sealed 4-disc electrodes.

Product	Length		Part No.
10 sets Cadwell Disposable 4-Disc Electrodes	1.5 m	59 in	302298-000-059
	2 m	78 in	302298-000-078
	2.5 m	98 in	302298-000-098
	3 m	118 in	302298-000-118

## CADWELL DISPOSABLE EEG CUP ELECTRODES

Cadwell's Disposable EEG Cup Electrodes are single use, silver/silver chloride electrodes designed to provide low impedance in PSG studies reduce patient infection, and are conveniently packaged with 10, 15, 25, and 27 multi-colored leads per pack. Options include 10 mm deep cup or shallow cup, and also 6 mm deep cups.

The 15-pack contains all necessary electrodes for a PSG study, including frontal, central, occipital, mastoid, eyes, ground, and chin electrodes.

### DEEP CUPS - 10 MM

Deep Cups - 10 mm				
Part No.	Cup Size	Length		Qty
302318-000-059	10 mm	59 in	1.5 m	15/pk
302319-000-059	10 mm	59 in	1.5 m	27/pk
302643-000-060	10 mm	60 in	1.5 m	10/pk
302642-000-060	10 mm	60 in	1.5 m	25/pk
302320-000-078	10 mm	78 in	2 m	10/pk
302318-000-078	10 mm	78 in	2 m	15/pk
302321-000-078	10 mm	78 in	2 m	25/pk
302320-000-098	10 mm	98 in	2.5 m	10/pk
302642-000-098	10 mm	98 in	2.5 m	15/pk
302321-000-098	10 mm	98 in	2.5 m	25/pk

### DEEP CUPS - 6 MM

Deep Cups - 6 mm				
Part No.	Cup Size	Length		Qty
302322-000-059	6 mm	59 in	1.5 m	10/pk
302323-000-059	6 mm	59 in	1.5 m	25/pk
302322-000-078	6 mm	78 in	2 m	10/pk
302323-000-078	6 mm	78 in	2 m	25/pk
302322-000-098	6 mm	98 in	2.5 m	10/pk
302323-000-098	6 mm	98 in	2.5 m	25/pk



### SHALLOW CUPS - 10 MM

Shallow Cups - 10 mm				
Part No.	Cup Size	Length		Qty
302315-000-059	10 mm	59 in	1.5 m	10/pk
302316-000-059	10 mm	59 in	1.5 m	25/pk
302317-000-059	10 mm	59 in	1.5 m	27/pk
302315-000-078	10 mm	78 in	2 m	10/pk
302316-000-078	10 mm	78 in	2 m	25/pk
302315-000-098	10 mm	98 in	2.5 m	10/pk
302316-000-098	10 mm	98 in	2.5 m	25/pk

## AMBU DISPOSABLE EEG CUP ELECTRODES



Ambu® 0.4 in (10 mm) diameter cups have 0.08 in (2 mm) holes for easy application of paste/collodion. Multi-colored lead wires and connectors. Fully disposable.

Product	Length	Qty	Part No.
Ambu Disposable EEG Cup Electrodes	60 in (1.52 m)	10/pk	202100-000

*\*Call for availability*



# ELECTRODES



Single snap lead wires with touch-proof (TP) connectors (shown in red) have clear coating over silver lead wire



Cadwell Snap Connector Lead Wire with Black Twist 5-pack

## CADWELL SNAP CONNECTOR LEAD WIRES

Color-coded lead wires with snaps are designed for use with the BraiNet® electrode template system, and the Cadwell color-coded input boxes.

Product	Lead Wire	Snap Connector	Length		Part No.
Single snap, TP connector	clear	red	1.52 m	60 in	302696-200
Single snap, TP connector	clear	black	1.52 m	60 in	302697-200
Single snap, TP connector	clear	red	3.05 m	120 in	302698-200
Single snap, TP connector	clear	black	3.05 m	120 in	302699-200
5 white-twisted snaps	white twist	color-coded	1.22 m	48 in	302312-200*
5 black-twisted snaps	black twist	color-coded	1.22 m	48 in	302313-200*

## SNAP PATCH ELECTRODES

For use with Snap Connector Lead Wires:

- The oval patch with adhesive solid gel is ideal for PSG studies for leg movement or ECG data.
- Wet gel patch with offset snap fits well around the eyes and on the chin. Single patient use only.

Product	Part No.
Oval Patch, 40 x 36 mm, 3/pk	302701-000
25 Offset Wet Gel Patches	202696-000



Oval Patch



Offset Wet Gel Patch

\*Call for availability

# THERMAL AND PRESSURE SENSORS

## SLEEPMATE PRESSURE SENSORS

Cadwell Sleepmate™ Pressure Sensors are available in single and dual versions and offer the smallest single channel sensor on the market. Dual Pressure Transducers are also available for detection and amplification of airflow through pressure swings.

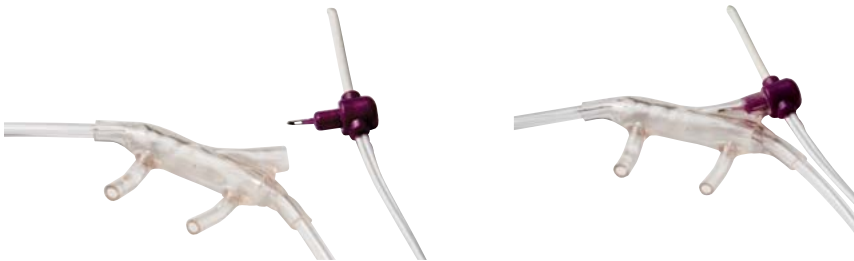
Product	Ambu No.	Sleepmate No.	Part No.
Pressure Transduced Airflow Kit = 1 AC Airflow Sensor (snore and flow) + 5 Nasal Cannulas	814330-100	14800	302540-200-0000
Pressure Transduced AC Airflow Kit + CannuTherm	814360-100	1431	302535-200-0080
50 Nasal Cannulas with Filter	814310-071	14880	302544-200-0484
50 Nasal Cannulas without Filter	814300-000/50	14868	302542-200-0484
50 Oral/Nasal Cannulas with Filter	814320-000/50	14866	302545-200-0484
50 Oral/Nasal Cannulas without Filter	814310-000/50	14869	302543-200-0484
Luer to O <sub>2</sub> Adapter	814340-000	14870	203108-000



*Nasal Cannula with Filter*



*AC Airflow*



*CannuTherm Thermocouple Sensor + Nasal Cannula shown disconnected (left) and connected (right), included in CannuTherm Kit*

## SLEEPMATE CANNUTHERM THERMAL AND PRESSURE SENSORS

Detect both apnea and hypopnea with this integrated thermal and pressure sensor. The light and comfortable CannuTherm™ sensor promotes a relaxed patient, improved data collection and a more accurate PSG study. The reusable nasal and oral sensor and the specially designed single-use cannulas can be used to comply with AASM recommendations of using a thermal sensor to detect apnea as well as a pressure airflow sensor to detect hypopnea.

Product	Ambu No.	Sleepmate No.	Part No.
CannuTherm Kit for Easy III = 1 Thermocouple Sensor, TP, 80 in + 5 Nasal Cannulas with Filter, 84 in	814310-100	1419	302534-200-0080
CannuTherm Thermistor Kit for ApneaTrak = 1 Thermistor Sensor, keyhole, 80 in + 5 Nasal Cannulas with Filter, 84 in + Thermistor Battery Box (keyhole to touch-proof)	814930-100	1420	302537-200-0080
CannuTherm Thermistor Keyhole Kit = 1 Thermistor Sensor, keyhole, 80 in + 5 Nasal Cannulas with Filter, 84 in	814930-108	-	302538-200-1080
50 CannuTherm Cannulas with Filters, 84 in	814360-000/50	14878	302572-200-0484
1 CannuTherm Thermocouple Sensor, TP, 80 in	814840-100	-	302536-200-0080
1 CannuTherm Thermistor Sensor, keyhole, 80 in	814360-100	1431	302539-200-1080

# THERMAL AND PRESSURE SENSORS



*Thermistor*



*Thermocouple*



*Thermistor Battery Box is touch-proof to keyhole*



*Thermocouple Pediatric*

## SLEEPMATE THERMAL AIRFLOW SENSORS

Cadwell Sleepmate™ Thermal Airflow Sensors utilize a single channel to record oral and nasal airflow. The sensors are compact, comfortable, and are made from materials that make them easy to adjust to the patient. Sensors are available in reusable and disposable versions for adults, pediatrics and infants.

Product	Ambu No.	Sleepmate No.	Part No.
Reusable Thermistor Kit = 1 Thermistor, keyhole, 80 in + 1 Thermistor Battery Box	814900-100	1450	302549-200-0080
1 Nasal Thermocouple, adult, TP, 80 in	814810-100	1401	302548-200-0080
1 Infant/Pediatric Nasal Thermocouple, TP, 80 in	814805-100	1406	302548-200-0280
1 Thermistor Sensor, keyhole, 80 in	814940-100	1450-S	302549-200-1080
1 Thermistor Battery box (keyhole to touch-proof)	814980-100	1450-B	302550-200-0000
Disposable Adult Thermistor Kit = 1 Thermistor Battery Box + 1 Interface Cable + 20 Large/Adult Disposable Thermistor Sensors	814903-000	-	302564-200-0400
20 Infant Disposable Thermistor Sensors	814301-000/20	1428	302551-200-0100
20 Medium/Pediatric Disposable Thermistor Sensors	814302-000/20	1427	302551-200-0200
20 Large/Adult Disposable Thermistor Sensors	814303-000/20	1426	302551-200-0400
1 Interface Cable for UARS Sensor or Thermistor	814400-100	-	302552-200-0000

## THERMOCAN FOR IN-LAB PSG

The ThermoCan™ system available for in-lab PSG allows simultaneous monitoring of oral/nasal thermal airflow and nasal pressure. Compatible with key and touch-proof connectors, this system features a lightweight design that optimizes patient comfort. AASM-compliant.



*Adult Interface Cable*



*Child Interface Cable*

Product	Part No.
Adult ThermoCan Interface Cable / Safety DIN Connector	302585-200-0080
7 ft Adult EtCO <sub>2</sub> ThermoCan Cannula (Box of 50)	203132-000
7 ft Adult EtCO <sub>2</sub> ThermoCan Cannula (Box 25)	203133-000
Adult ThermoCan Starter Kit / Safety DIN Connector (Box 25)	302586-200-0080
Child ThermoCan Interface Cable / Safety DIN Connector	302587-200-0080
7 ft Child ThermoCan EtCO <sub>2</sub> Cannula, dual lumen (Box 25)	203147-000
7 ft Child ThermoCan EtCO <sub>2</sub> Cannula Small, dual lumen (Box 25)	203135-000
7 ft Child ThermoCan Cannula, single lumen (Box 25)	203136-000
Child ThermoCan Starter Kit / Safety DIN Connector (Box 25)	302584-200-0080

# THERMAL AND PRESSURE SENSORS



Interface Box shown with Thermal Airflow Sensor and Nasal Airflow Cannula



Thermistor Interface Box



Nasal Airflow Cannula



Oral/Nasal Thermistor

## AIRLIFE THERMISENSE THERMAL AND NASAL PRESSURE SENSORS

This thermistor complements nasal pressure devices with a system that adds thermal monitoring in an easy to apply cannula thermistor combination to detect apneas, hypopneas, and flow limitations. The cannula/holder holds the thermistor in place to sense oral/nasal thermal airflow changes and nasal pressure signal changes. The system contains an integrated circuit tester to check both the head box leads and thermistor for continuity.

Cannulas are single patient use only.

Product	Length	Part No.
ThermiSense® Adult Thermistor Kit = 1 Interface Box + 1 Adult Oral/Nasal Thermistor + 1 Nasal Pressure Cannula with Holder, without filter (2.1 m/7 ft) + 1 Oral/Nasal Pressure Cannula with Holder, without filter (2.1 m/7 ft) + 1 Cannula Filter		202662-040
ThermiSense Pediatric Thermistor Kit = 1 Interface Box + 1 Pediatric Oral/Nasal Thermistor + 1 Nasal EtCO <sub>2</sub> and Pressure Monitoring Cannula + 1 Oral/Nasal EtCO <sub>2</sub> Pressure Monitoring Cannula + 1 Cannula Filter		202662-020*
Thermistor Interface Box, Replacement		202660-000*
Adult Oral/Nasal Thermistor Thermal Airflow Sensor		202661-040*
Pediatric Oral/Nasal Thermistor Thermal Airflow Sensor		202661-020*
25 Adult Oral/Nasal Cannulas	2.1 m/7 ft	202667-040-007*
25 Adult Oral/Nasal Cannulas	0.6 m/2 ft	202667-040-002*
25 Adult Nasal Cannulas	2.1 m/7 ft	202663-040-007
50 Adult Nasal Cannulas	0.3 m/1 ft	202670-040-001
25 Adult EtCO <sub>2</sub> Airflow Cannulas	2.1 m/7 ft	202664-040-007*
25 Pediatric EtCO <sub>2</sub> Airflow Cannulas	2.1 m/7 ft	202664-020-007*
25 Cannula Filters	-	202669-000*

\*Call for availability

# AIRFLOW SENSORS



## DYMEDIX AIRFLOW FILTRATION MODULE (FM) INTERFACE CABLES

DyMedix® Filtration Module (FM) Interface Cables allow different filtering or output multiple channels from a single sensor. Choose from airflow interface cables for a variety of channels. Users are able to record Apnea, Hypopnea, UARS, and Snore all with one airflow sensor. Choose from multiple sizes of DyMedix TriplePlay™ Airflow Sensors, right.

Product	DyMedix No.	Part No.
FM1 provides one output with smooth sinusoidal waveforms focusing on identification of apnea and hypopnea events.	12-10120-0001	203026-000*



Example of PVDF Airflow Sensor



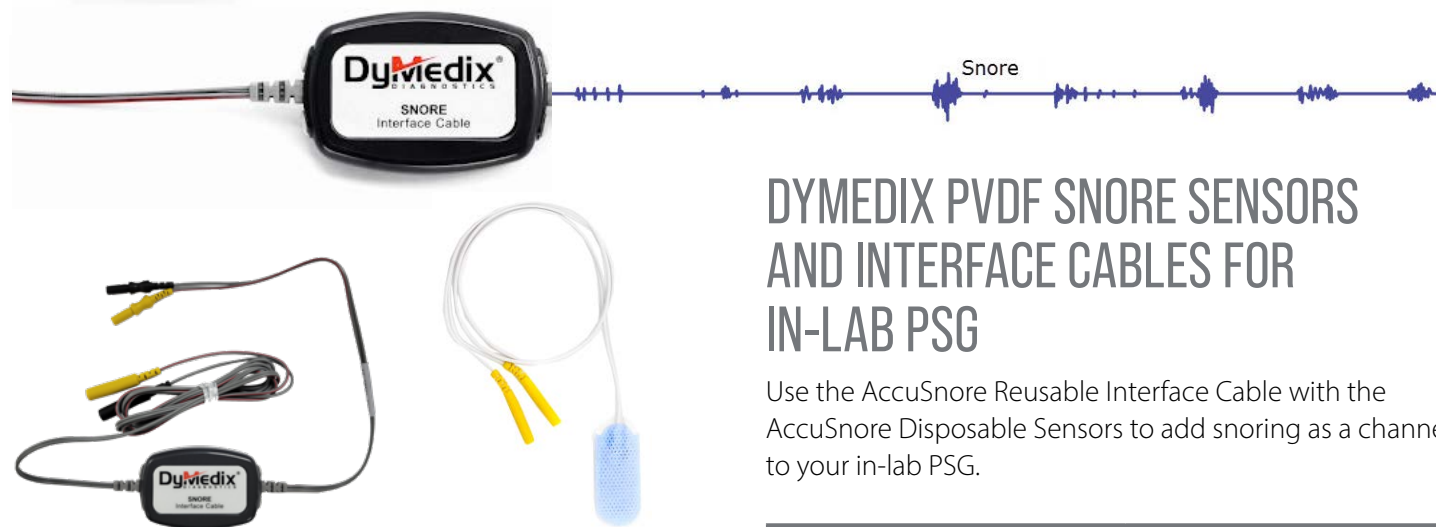
Adult Medium

Adult Small

## DYMEDIX TRIPLEPLAY PVDF AIRFLOW SENSORS

DyMedix TriplePlay™ Airflow Sensors detect Apnea, Hypopnea, and Snore with only one sensor. The soft and flexible design fits well under an NCPAP Mask, and is ideal for HSAT. Sensors respond to temperature and pressure changes, providing a sensitive airflow monitoring system. Use with DyMedix FM Interface Cables, left.

Product	Qty	DyMedix No.	Part No.
Adult Medium	10	10-10000-0510	203027-000-010*
Adult Small	10	10-10000-0410	203061-000-010*



AccuSnore Reusable Interface Cable, touch-proof (TP)

AccuSnore Disposable Sensor

## DYMEDIX PVDF SNORE SENSORS AND INTERFACE CABLES FOR IN-LAB PSG

Use the AccuSnore Reusable Interface Cable with the AccuSnore Disposable Sensors to add snoring as a channel to your in-lab PSG.

Product	DyMedix No.	Part No.
AccuSnore Reusable Interface Cable, TP	-	203106-000
10 AccuSnore Disposable Sensors	10-21001-0610	203107-000-010

\*Call for availability

PRODUCT AVAILABILITY VARIES BY MARKET.



# SNORE SENSORS AND MICROPHONES



*Sleepmate™ Snore Piezo Sensor, touch-proof (TP), 80 in*



*Sleepmate™ Snore Microphone, touch-proof (TP), 80 in*



*Piezo Snore Sensor, keyhole 78 in*



*Snore Microphone, keyhole 24 in*

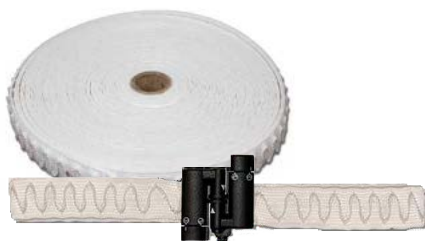
## SNORE SENSORS AND MICROPHONES

Soft elastic polymeric for maximum patient comfort. The sensor attaches to the neck and records the sounds associated with snoring during PSG studies.

Product	Ambu No.	Sleepmate No.	Part No.
Sleepmate Piezo Snore Sensor, TP, 80 in	812200-000	1250	302555-200-0080
Sleepmate Snore Microphone, TP, 80 in	812500-000	1200	302556-200-0080
Snore Microphone, keyhole, 24 in	202790-000/24	-	302563-200-1024
Piezo Snore Sensor, keyhole, 78 in	1420605	-	302561-200-1078

# RESPIRATORY EFFORT

## DISPOSABLE EFFORT SENSORS



Disposable RIPmate Belt Roll is cut to size and used with RIP Lock



RIP Locks for Disposable Belts



RIPmate Thorax Processor, shown front and back



RIPmate Abdomen Processor, shown front and back

## CADWELL SLEEPMATE DISPOSABLE RIPMATE

RIPmate® Inductance Belts and flat-profile buckles are designed for high sensitivity and patient comfort. The single-use cut-to-fit belt features Grip-Rite stitching that is designed to keep belt from loosening on patient during the night. Easily customize belt size with Tri-Loop sliders. This top-of-the-line sensor delivers recordings with the same reliability and quality as the RIPmate reusable belts.

Product	Ambu No.	Part No.
Touch-proof (TP) RIPmate Kit (Easy III PSG) = 2 RIP Locks (2m lead wire) + 1 Thorax Processor + 1 Abdomen Processor + 1 Belt Roll	819200-100	302512-200-0080
Keyhole RIPmate Kit (ApneaTrak) = 2 RIP Locks (2m lead wire) + 1 Belt Roll	819200-108	302512-200-1080
1 RIPmate Single-Use Belt Roll, 1 in x 105 ft	819201-000	302513-200-0000
1 replacement RIPmate Abdominal Processor	819140-000	302519-200-0000
1 replacement RIPmate Thorax Processor	819100-000	302518-200-0000
1 replacement set RIP Locks for Disposable Bands, 2 m	819211-000	302514-200-1080



Disposable Respiratory Effort (UARS) Sensor attaches to Battery Interface Box Cable



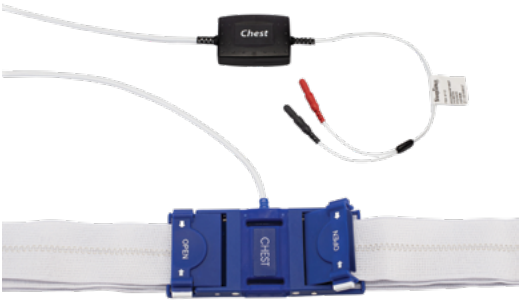
Battery Interface Box

## DISPOSABLE EFFORT SENSORS (UARS)

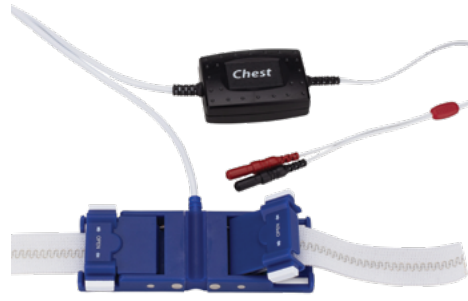
Disposable sensors with a reusable interface cable and a light and compact Battery Interface Box keep your patients comfortable and provides clear, reliable, and stable signals.

Product	Ambu No.	Part No.
10 Disposable Respiratory Effort (UARS) Sensors	816400-000/10	302553-200-0000
1 Interface Cable for UARS Sensor	814400-100	302552-200-0000
1 Battery Interface Box	814980-100	302550-200-0000

# RESPIRATORY EFFORT



Adult Inductive Interface Buckle, Chest / Safety DIN Connector



Child Inductive Interface Buckle, Chest / Safety DIN Connector

## SLEEPSENSE DISPOSABLE RIP SYSTEMS

SleepSense® Disposable RIP systems, available in adult and pediatric sizes, include chest and abdomen buckles with pre-sized disposable belts. These systems are compatible with key and touch proof connectors.

Product	SleepSense Part No.	Part No.
Adult Inductive Interface Buckle, Chest / Safety DIN Connector	9112	302575-200-1080
Adult Inductive Interface Buckle, Abdomen / Safety DIN Connector	9111	302576-200-1080
Adult Disposable Inductive Belt, 120 cm (20-pack)	9007-L120	203129-000
Adult Disposable Inductive Belt, 150 cm (20-pack)	9007-L150	203130-000
Adult Disposable Inductive Starter Kit / Safety DIN Connector	9107-Kit	302577-200-1080
Child Inductive Interface Buckle, Chest / Safety DIN Connector	9112P	302578-200-1080
Child Inductive Interface Buckle, Abdomen / Safety DIN Connector	9111P	302579-200-1080
Child Disposable Inductive Belt, 60 cm (20-pack)	9000C	203131-000
Child Disposable Inductive Starter Kit / Safety DIN Connector	9107P-Kit	302580-200-1080

## DYMEDIX FASTTRACK DISPOSABLE EFFORT

The first and only completely disposable respiratory effort solution with single-use thoracic and abdominal effort belts incorporate the cut-to-size Button-Hole™ strap system. No polarity reversal. Available with interface cables, or in 20-pack, and 40-pack options.



Dymedix FastTrack	Dymedix No.	Part No.
20 adult effort belts	11-44000-7520	203084-000-020*
40 adult effort belts	11-44000-7540	203084-000-040*
Interface Cables Set = 1 thoracic cable + 1 abdominal cable	18-01800-0001	203080-000*

\*Call for availability

# RESPIRATORY EFFORT

## REUSABLE EFFORT SENSORS



## RIPMATE REUSABLE BELTS AND SENSORS

Cadwell Sleepmate™ RIPmate® Inductance Belts are designed for high sensitivity and patient comfort during measurement of chest and abdominal expansion associated with respiratory effort. Problems of signal loss due to lost belt tension and false paradoxical signals are eliminated. When used with Easy® III PSG, purchase kits that include the processors. When used with ApneaTrak® HSAT, you only need the belt and RIPmate® Cables (effort sensors are built into the ApneaTrak® device).



*RIPmate® Abdomen Processor, shown front and back*      *RIPmate® Thorax Processor, shown front and back*

Product	Ambu No.	SM No.	Part No.
RIPmate Adult Kit = 2 Adult Belts + 1 Thorax Processor + 1 Abdomen Processor + 2 80 in RIPmate Cables	819110-100	1910	302510-200-0480
RIPmate Adult Thorax Kit = 1 Adult Belt + 1 Thorax Processor + 1 80 in RIPmate Cable	819150-100	1912	302515-200-0480
RIPmate Adult Abdomen Kit = 1 Adult Belt + 1 Abdomen Processor + 1 80 in RIPmate cable	819140-100	1911	302516-200-0480
RIPmate Adult Belt (1.5 in x 26-79 in)	819103-000	1902	302521-200-0400
RIPmate Pediatric Kit = 2 Pediatric Belts + 1 Thoracic Processor + 1 Abdomen Processor + 2 80 in Cables	819102-100	1917	302510-200-0280
RIPmate Pediatric Thorax Kit = 1 Pediatric Belt + 1 Thorax Processor + 1 80 in RIPmate Cable	819002-100	1918	302515-200-0280
RIPmate Pediatric Abdomen Kit = 1 Pediatric Belt + 1 Abdomen Processor + 80 in RIPmate Cable	819012-100	1919	302516-200-0280
RIPmate Infant Kit = 2 Infant (1 in x 15-33 in) Belts + 1 Thorax Processor + 1 Abdomen Processor + 2 80 in RIPmate Cables	819101-100	1920	302510-200-0180
RIPmate Pediatric Belt (1.5 in x 14-48 in)	819102-000	1903	302521-200-0200
RIPmate Thoracic Processor	819100-000	1913	302518-200-0000
RIPmate Abdominal Processor	819140-000	1914	302519-200-0000
RIPmate Cable, 80 in (for PSG)	819150-000	1915	302522-200-0080
RIPmate Cable 20 in (for HSAT)	819151-000	-	302522-200-0020

# RESPIRATORY EFFORT



*Sleepmate™ Piezo Sensor with Buckle with Velstretch Band with Buckles*



*Sleepmate™ Piezo Sensor with Buckle*



*Velstretch Band with Buckles*

## RESPIRATORY PIEZO EFFORT SENSORS

Cadwell Sleepmate™ Piezo sensors are highly sensitive and fully encapsulated for clear, artifact-free recording of respiratory effort. All Piezo sensors and Velstretch belts are designed for optimal patient comfort and ease of use, and to provide reliable recordings and produce clear and artifact-free signals without the need for interface or an external power source. Sleepmate™ Piezo Effort Sensors are available with Buckle, Loop, VELCRO® Brand hook & loop Tab and beltless versions. All are durable and easy to use, and all feature a fully encapsulated active element, which makes cleaning and processing easy. All belts are washable. Available in adult to pediatric sizes.

Product	Band Size	Ambu No.	SM No.	Part No.
Piezo Sensor with Buckles Kit = 1 Piezo Sensor, TP with Buckles + 1 Velstretch Band with Buckles	Adult	813236-100	1310	302531-200-0080
1 Piezo Sensor with Buckles	-	813220-100	1370	302529-200-0080
1 Velstretch Band with Buckles	Adult	813050-100	1350	302525-200-0000



## BELTLESS EFFORT SENSOR

For use with infant and pediatric patients without a belt.

Product	Ambu No.	SM No.	Part No.
1 Beltless Effort Sensor Infant/Ped	813065-100	1375	302526-200-0232



# RESPIRATORY EFFORT



*Sleepmate™ Piezo Sensor with Loops with Velstretch 1.5 in VELCRO® Brand Bands*



*Sleepmate™ Piezo Sensor with Loops*



*Velstretch VELCRO® Brand 1.5 in Bands*

Product	Band Size	Ambu No.	SM No.	Part No.
Piezo Sensor with Loops Adult + Pediatric Kit = 1 Piezo Sensor with Loops + 1 Adult Velstretch 1.5 in VELCRO® Brand Band + 1 Pediatric Velstretch 1.5 in VELCRO® Brand Band	Adult + Pediatric	813246-100	1312	302532-200-0080
Piezo Sensor with Loops Adult Kit = 1 Piezo Film Sensor with Loops + 1 Adult Medium Velstretch 1.5 in VELCRO® Brand Band	Adult	813213-100	1301	302530-200-0080
1 Piezo Sensor with Loops, TP, 80 in	-	819999-015	1389	302568-200-0080
Velstretch VELCRO® Brand Band Pack = 1 Adult Medium Velstretch 1.5 in VELCRO® Brand Band + 1 Adult Large Velstretch 1.5 in VELCRO® Brand Bands	Adult	813013-100	1344	302524-200-0400
1 Velstretch 1.5 in VELCRO® Brand Band	Adult Medium	813002-100	1341	302523-200-0400
1 Velstretch 1.5 in VELCRO® Brand Band	Adult Large	813003-100	1340	302523-200-0500

# RESPIRATORY EFFORT



*Sleepmate™ Piezo Sensor with VELCRO® Brand Tabs with Velstretch 1 in Loop Bands*



*Sleepmate™ Piezo Sensor with VELCRO® Brand Tabs (one on each side). Hook tab sticks to Velstretch Loop bands.*



*Velstretch 1 in Loop Bands*

Product	Band Size	Ambu No.	SM No.	Part No.
Pediatric Piezo Sensor Kit = 1 Piezo Sensor with VELCRO® Brand Tabs + 1 Pediatric Velstretch 1 in Loop Band + 1 Infant Velstretch 1 in Loop Band	Infant + Pediatric	813255-100	1325	302571-200-0280
1 Piezo Sensor with VELCRO® Brand Tabs	-	819999-014	1388	302566-200-0080
Velstretch 1in Loop Band Pack = 1 Infant Velstretch 1in Loop Band + 1 Pediatric Velstretch 1 in Loop Band	Infant + Pediatric	813012-100	1346	302524-200-0200
1 Velstretch 1 in Loop Band	Infant	813004-100	1343	302523-200-0100
1 Velstretch 1 in Loop Band	Pediatric	813001-100	1342	302523-200-0300



*Sleepmate™ Piezo Film Sensor with Loops with Velstretch 1.5 in VELCRO® Brand Bands*



*Piezo Film Sensor with Loops*



*Velstretch VELCRO® Brand 1.5 in Bands*

Product	Band Size	Ambu No.	SM No.	Part No.
Piezo Film Sensor with Loops Adult Kit = 1 Piezo Film Sensor with Loops + 1 Adult Medium Velstretch 1.5 in VELCRO® Brand Band	Adult	813213-100	1301	302530-200-0080
Piezo Film Sensor with Loops, TP, 80 in	-	819999013	1387	302569-200-0800
Velstretch VELCRO® Brand Band Pack = 1 Adult Medium Velstretch 1.5 in VELCRO® Brand Band + 1 Adult Large Velstretch 1.5 in VELCRO® Brand Bands	Adult	813013-100	1344	302524-200-0400
1 Velstretch 1.5 in VELCRO® Brand Band	Adult Medium	813002-100	1341	302523-200-0400
1 Velstretch 1.5 in VELCRO® Brand Band	Adult Large	813003-100	1340	302523-200-0500

# REUSABLE EFFORT SENSORS



Adult Effort Kit

## DYMEDIX PERFECTFIT2 ADULT

Reusable Effort Belts use PVDF technology for strain and pressure sensing of respiratory effort. Low profile buckles ensure patient comfort and quick set-up. Durable, straps are machine washable. No need to change batteries. AASM compliant for respiratory effort sensors for all ages. Latex free.

Product	Dymedix No.	Part No.
Adult Chest and Abdomen Effort Kit = 1 Chest Sensor + 1 Abdomen Sensor + 2x 45 in belts + 2 x 60 in belts	18-14210-0602	202995-000
1 Adult Chest Effort Belt Sensor	11-4200-0601	202998-000
1 Adult Abdomen Effort Belt Sensor	11-424000-0601	202999-000



Pediatric Effort Kit

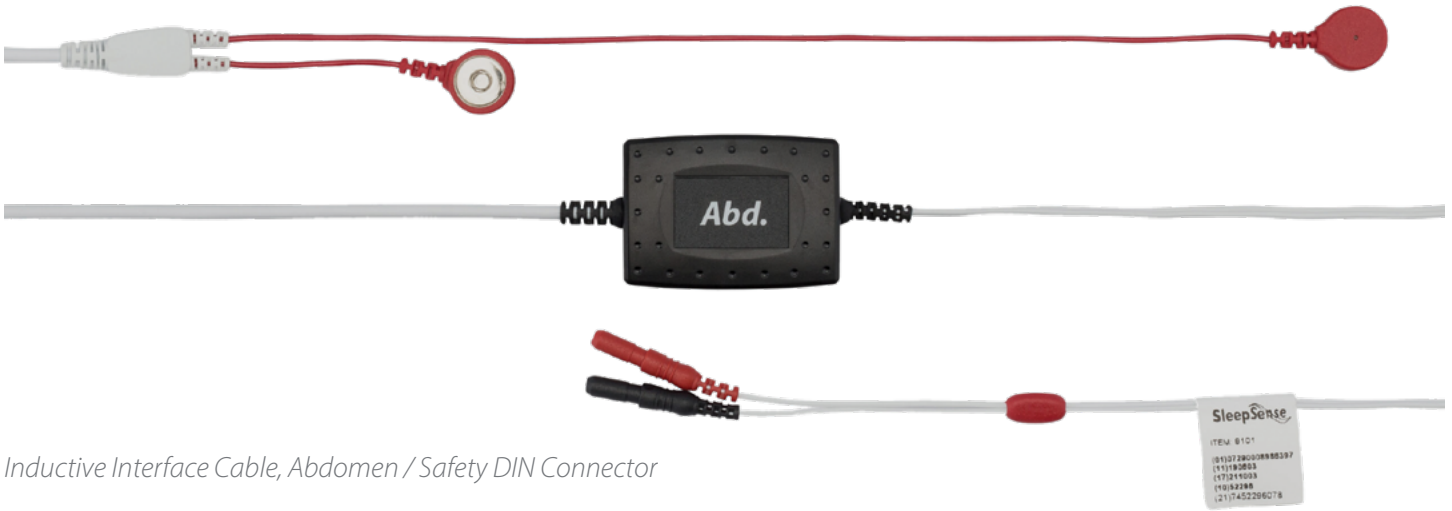
## DYMEDIX PERFECTFIT2 PEDIATRIC

Dymedix PerfectFit 2 Reusable Effort Belts use PVDF technology which responds to both strain and pressure providing the most sensitive and responsive respiratory effort system in the industry. Compliant with AASM requirements for respiratory effort sensors for all ages.

Product	Dymedix No.	Part No.
Pediatric Effort Kit = 1 Chest Sensor + 1 Abdomen Sensor + 2 15 in straps + 2 25 in straps + 2 35 in straps	18-12210-0302	202995-010*

\*Call for availability

# SEMI-REUSABLE INDUCTIVE SYSTEMS



*Inductive Interface Cable, Abdomen / Safety DIN Connector*

## SEMI-REUSABLE INDUCTIVE SYSTEMS FOR IN-LAB PSG

Semi-Reusable Inductive Systems for In-Lab PSG are compatible. Lifespan varies with use, but averages about six months or 70 uses.



*Semi-Reusable Inductive Belt X-Large*



*Semi-Reusable Inductive Belt Small*

Product	Part No.
Inductive Interface Cable, Abdomen / Safety DIN Connector	203143-000
Inductive Interface Cable, Chest / Safety DIN Connector	203144-000
Semi-Reusable Inductive Belt Small (2-pack)	203138-000
Semi-Reusable Inductive Belt Medium (2-pack)	203139-000
Semi-Reusable Inductive Belt Large (2-pack)	203140-000
Semi-Reusable Inductive Belt X-Large (2-pack)	203141-000
Semi-Reusable Inductive Belt XXL (2-pack)	203142-000

# PULSE OXIMETRY



8000J Flex Sensor System shown with 8000JFW FlexiWrap Adhesive, Adult



8000JFW Adult FlexiWrap adhesives



8008JFW Infant/Pediatric FlexiWrap adhesives



8008J Infant Flex Sensor shown with 8008JFW FlexiWrap Adhesives, Infant

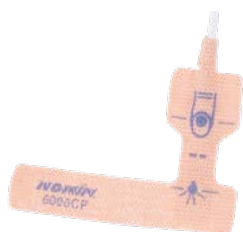


8001JFW Neonatal FlexiWrap adhesives

## NONIN 8000J REUSABLE FLEX SENSOR SYSTEMS

The Nonin 8000J Flex Sensor System combines the convenience, performance and economy with the reusable, durable, silicone Flex sensor and coordinating disposable FlexiWrap adhesive.

Patient Range	Flex Sensor Systems	Part No.
>20 kg (>44 lb)	8000J Flex Sensor, (wrist) 20 cm/8 in + 25 8000JFW Adult FlexiWrap	202942-000-020
	8000J Flex Sensor, (chest) 1 m/39 in + 25 8000JFW Adult FlexiWraps	202942-000-100
	8000J Flex Sensor, (finger) 3 m/118 in + 25 8000JFW Adult FlexiWraps	202942-000-300
	25 8000JFW Adult FlexiWraps, use on index, middle or ring finger	202945-000
2 - 20 kg (4.4 - 44 lb)	8008J Infant/Pediatric Flex Sensor, 1 m/39 in + 25 8008JFW Infant/Pediatric FlexiWraps	202944-030-100
	25 8008JFW Infant/Pediatric FlexiWraps, use on toe	203009-010
< 2 kg (<4.4 lb)	8001J Neonatal/Infant Flex Sensor + 25 8001JFW Neonatal FlexiWraps	202617-000
	25 8001JFW Neonatal FlexiWraps, use on lateral aspect of foot	203009-000



Disposable Cloth Oximeter, Pediatric



Disposable Cloth Oximeter, Infant

## NONIN 6000C DISPOSABLE CLOTH PULSE OXIMETRY SENSORS

Designed with an inclusive cable, sensor, and a stretch, tear-resistant adhesive cloth wrap, these disposable cloth pulse oximetry sensors provide comfort for patients requiring secure extended oximetry and pulse rate monitoring. The sensor design is ideal for hard-to-fit patients such as infants and neonates, and ensures consistent readings by keeping the sensor in the proper position.

Product	Part No.
24 Nonin 6000CP Disposable Oximeters, pediatric 1 m/39 in	202940-020
24 Nonin 6000CI Disposable Oximeters, infant, 1 m/39 in	202940-010



# PULSE OXIMETRY



## NONIN 8000S REUSABLE PULSE OXIMETRY SOFT SENSORS

Nonin 8000S Series reusable soft sensors offer ultimate flexibility for oximetry measurement, whether short-term spot checking or continuous monitoring. The specifically designed soft sensors offer superior patient comfort and three sizes to fit a variety of patient hands, from children to adults. One-year warranty included.

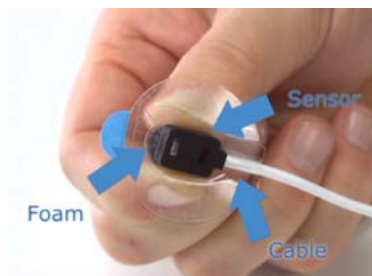
Product	Length	Part No.
8000S Large Soft Sensor	3 m/118 in	202948-050-300
	1 m/39 in	202948-050-100
8000S Medium Soft Sensor	3 m/118 in	202948-040-300
	1 m/39 in	202948-040-100
8000S Small Soft Sensor	3 m/118 in	202948-030-300



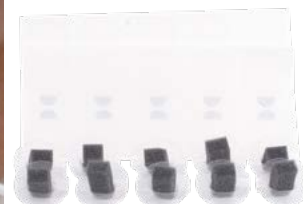
## NONIN 8000Q2 REUSABLE EAR CLIP PULSE OXIMETRY SENSOR

The Nonin 8000Q2 reusable ear clip sensor offers flexibility for spot check and longer-term oximetry monitoring when digits are not the preferred application site. One size fits all.

Product	Part No.
8000Q2 Ear Clip Oximeter, reusable, 1 m/39 in	203010-000



Forehead Reflectance Oximeter



Forehead Reflectance Oximeter Holder

## NONIN 8000R REUSABLE REFLECTANCE PULSE OXIMETRY SENSOR

Nonin 8000R reflectance pulse oximetry sensors provide a convenient application site on the forehead for stress testing and continuous monitoring where digits are not the preferred location. With Nonin PureLight® sensor technology and PureSAT® signal processing technology, you can be sure you're getting consistent results from patient to patient and sensor to sensor. The product consists of the 8000R sensor, 8000H plastic applicator caps, and adhesive rings.

Product	Part No.
1 Forehead Reflectance Oximeter	203012-000
10 Forehead Reflectance Oximeter Holders	203011-000



## OXIMETER EXTENDER CABLE

Increase the length of any pulse oximeter by an extra three meters when you add the oximetry extender cable.

Product	Part No.
1 Nonin Oximeter Extender Cable, 3 m/120 in	202949-000

# ALICE 6 COMPATIBLE SLEEP SENSORS



*SleepSense® Reusable Inductive Belt System (left), SleepSense® Semi-Reusable Inductive Belt System (right)*

## SLEEPSENSE REUSABLE AND SEMI-REUSABLE INDUCTIVE BELT SYSTEM

SleepSense® Reusable Inductive belts for Alice 6 systems are made with high-quality, soft materials that are easy to clean and care for. These adult size belts are fully adjustable, and feature a buckle closure to keep the belt in place during sleep studies. Reusable cables and belts come with a 1-year warranty.

Product	Qty	Part No.
Adult Reusable Inductive System Kit with Interface Cables and Belts (Alice 6 Compatible)	1 kit	203152-000
Adult Semi-Reusable System Kit with Interface Cable and Belts (Alice 6 Compatible) Kit Includes: + Universal Inductive Interface Cable / Alice 6 Compatible (Qty 2) + Semi-Reusable Inductive Belt – Adult Large (2-pack) + Semi-Reusable Inductive Belt – Adult X-Large (2-pack)	1 kit	203155-000
Adult Reusable Inductive Belt (Alice 6 Compatible)	1 belt	203153-000
Inductive Interface Cable* (Alice 6 Compatible)	1 cable	203154-000
Semi-Reusable Inductive Belt Small (2-pack)	2 belts	203138-000
Semi-Reusable Inductive Belt Medium (2-pack)	2 belts	203139-000
Semi-Reusable Inductive Belt Large (2-pack)	2 belts	203140-000
Semi-Reusable Inductive Belt X-Large (2-pack)	2 belts	203141-000
Semi-Reusable Inductive Belt XXL (2-pack)	2 belts	203142-000

*\*The Inductive Interface Cable is used with both the reusable and semi-reusable belts.*

# ALICE 6 COMPATIBLE SLEEP SENSORS

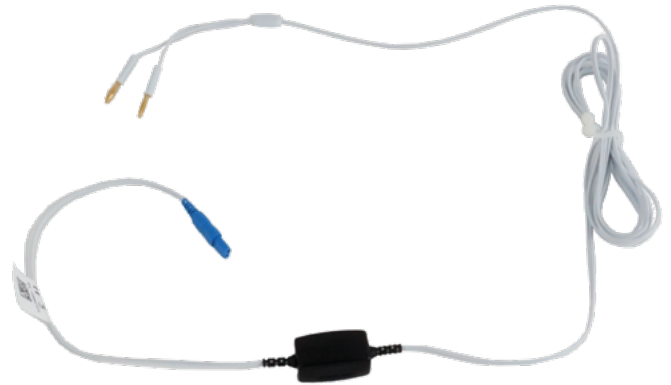


*SleepSense® Adult Disposable Inductive System Kit*

## SLEEPSENSE DISPOSABLE INDUCTIVE BELT SYSTEM

The SleepSense® Disposable Inductive System features pre-cut disposable inductive belts available in adult and pediatric sizes, and reusable inductive interface buckles that securely hold belts in place during sleep studies. These disposable belts are AASM-compliant and easy to apply. Reusable inductive interface buckles come with a 1-year warranty.

Product	Qty	Part No.
Adult Disposable Inductive System Kit with Interface Cable and Disposable Belts (Alice 6 Compatible). Kit Includes: 2 Reusable Buckles + 2 Integrated Cables + 20 Pack of Disposable Belts (120 cm)	1 kit	203150-000
Child Disposable Inductive System Kit with Interface Cable and Disposable Belts (Alice 6 Compatible) Kit Includes: 2 Reusable Buckles + 2 Integrated Interface Cables + 20 Pack of Disposable Belts (60 cm)	1 kit	203151-000
Adult Inductive Interface Buckle (Alice 6 Compatible)	1 buckle	203148-000
Pediatric Inductive Interface Buckle (Alice 6 Compatible)	1 buckle	203149-000
Adult Disposable Inductive Belt, 120 cm	20-pack	203129-000
Adult Disposable Inductive Belt, 150 cm	20-pack	203130-000
Child Disposable Inductive Belt, 60 cm	20-pack	203131-000



*SleepSense® ThermoCan™ System*

## SLEEPSENSE THERMOCAN SYSTEM FOR IN-LAB PSG

Monitor oral and nasal thermal airflow and nasal pressure simultaneously with the SleepSense® ThermoCan™ System, the first and only pressure cannula designed with a built-in thermal airflow sensor. This system is AASM compliant and infection control friendly, and it is available in adult and pediatric sizes. ThermoCan Interface Cables come with a 1-year warranty.

Product	Qty	Part No.
7 ft Adult ThermoCan Interface Cable, Adult (Alice 6 Compatible)	1 cable	203156-000
7 ft Child ThermoCan Interface Cable (Alice 6 Compatible)	1 cable	203157-000
ThermoCan Female-to-Female Adapter, 5pk (Alice 6 Compatible)	5-pack	203158-000
7 ft Adult ThermoCan Cannula	Box/50	203132-000
7 ft Adult EtCO <sub>2</sub> ThermoCan Cannula	Box/25	203133-000
7 ft Child ThermoCan EtCO <sub>2</sub> Cannula, Dual Lumen	Box/25	203147-000
7 ft Small Child* ThermoCan EtCO <sub>2</sub> Cannula, Dual Lumen	Box/25	203135-000
7 ft Child ThermoCan Cannula, Single Lumen	Box/25	203136-000

*\* Note: the Child size has slightly larger nares when compared with the Child Small. The Child Small size is best fit for children under 2-years-old. The Child size is best for children above ages 2-3 (for whom an adult cannula is still too large).*

# PREP SUPPLIES



## CADWELL MEASURING TAPE

Ideal for surface measurement, this flexible-fiber measuring tape shows both inches and centimeters and retracts with the push of a button. Zero begins at the end of the tape.

Product	Part No.
Cadwell Measuring Tape, color varies	202161-000



## PDI SANI CLOTH DEVICE & ELECTRODE CLEANING WIPES

Safely and effectively disinfects and cleans all reusable surface bar, ring, ground plates, and EEG surface electrodes. See electrode care section for cleaning information. Additional shipping and handling charges may apply.

Qty	Product	Part No.
1 tub	Super Sani Wipes	202197-000*
1 tub	Sani Bleach	202198-000*

\*Call for availability.

PRODUCT AVAILABILITY VARIES BY MARKET.



## CHINA MARKER (GREASE PENCIL)

Grease pencils. 12 per box.

Product	Part No.
12 red China Markers	202711-000
12 blue China Markers	202712-000



## STERILE SKIN MARKING PEN

Highly visible, violet ink pens require only a light touch and provide a bright alternative to grease pencils. Sterile and labeled for single use.

Product	Part No.
1 Sterile Skin Marking Pen	202734-000



## EXAMINATION GLOVES

Powder and latex-free stretch vinyl synthetic gloves, non-sterile ambidextrous, Aloetouch® 3G. 100 gloves (50 pairs) per box.

Product	Size	Part No.
1 Box Aloetouch 3G gloves, 100/box	small	202753-000
	medium	202754-000
	large	202755-000

# PREP SUPPLIES



## GAUZE SPONGES

Gauze sponges, 5x5 cm (2x2 in). Available in sterile and non-sterile.

Product	Part No.
2 packs of 50 sterile gauze sponges	202164-000
1 pack of 200 non-sterile gauze sponges	202162-000



## COHESIVE BANDAGE

Select® cohesive bandages are latex-based and provide slip-resistant support without fasteners or clips. They offer excellent breathability and can be cut away with scissors. 3 in x 15 ft.

Product	Part No.
1 roll of 3 in x 15 ft cohesive bandage	202172-000



## ELASTOMULL BANDAGE

Elastomull® Bandage, Gauze, 4 in x 12.3 ft Non-sterile. 12 rolls per pack.

Product	Part No.
12 rolls of 4 in non-sterile gauze	202173-000



## ALCOHOL PADS

Ready-to-use prep pads saturated with 70% isopropyl alcohol.

Product	Part No.
1 box of Alcohol Prep Pads, 200/box	202165-000

## COTTON TIPPED APPLICATORS

Non-sterile cotton tipped applicator swabs are 15 cm (6 in) long.



Product	Part No.
1 Box Cotton Tipped Applicators, 1,000/box	202163-000



# PREP SUPPLIES



## NUPREP

NuPrep™ acetone-free skin prep gel is designed for use in sleep tests, NCV tests, EP procedures, and EEG exams.

Product	Part No.
3 NuPrep large tubes 114 ml (4 fl oz)	202159-000
6 NuPrep small tubes 25 ml (1 fl oz)	202186-000
24 Single Use Cups (9 g each)	202185-000



## TENSIVE CONDUCTIVE ADHESIVE GEL

Tensive® Conductive Adhesive Gel is a safe, odorless, non-flammable gel. It is bacteriostatic and water soluble for easy cleanup.

Product	Part No.
1 Tensive adhesive gel tube, 50 g	202142-000



## TEN20 CONDUCTIVE PASTE

Ten20™ Conductive Paste is water-soluble, odor-free, and maintains its consistency at warm temperatures. Sold in packs of three.

Product	Part No.
3 Ten20 small Jars 114 ml (4 fl oz)	202155-000
3 Ten20 large Jars 228 ml (8 fl oz)	202156-000
3 Ten20 small Tubes 114 ml (4 fl oz)	202154-000
24 Ten20 Single Use Cups (15 g each)	202151-000



## SAC2 ELECTRODE CREAM

SAC2 Electrode Cream is the solution to improve the contact of your electrodes for long term monitoring and sleep recording. SAC2 provide a fast application and adhesion of the electrodes, the connection is stable for more than 72 hours. Safe for the patient and safer for the technologist.

Product	Part No.
10 SAC2 Electrode Cream tubes, 100 g each	202182-000

# PREP SUPPLIES



## 3M TRANSPORE TAPE

Hypoallergenic 3M® Transpore™ tape comes in a 9 m (30 ft) roll available in 2.5 cm (1 in) and 5 cm (2 in) widths.

Product	Size	Part No.
12 rolls of 1 in Transpore Tape	2.5 cm x 9 m (1 in x 30 ft)	202360-000
6 rolls of 2 in Transpore Tape	5 cm x 9 m (2 in x 30 ft)	202361-000



## 3M MICROPORE TAPE

3M® Micropore™ tape is a latex-free, hypoallergenic paper tape that is gentle to the skin yet adheres well and leaves minimal adhesive residue upon removal. An economical, general purpose, breathable surgical tape.

Product	Size	Part No.
12 rolls of 1in Micropore Tape	2.5 cm x 9 m (1 in x 30 ft)	202363-000



## COVER-ROLL STRETCH TAPE

This non-woven cross-elastic bandage can be cut to size to secure any size or type of dressing. It is flexible and therefore works well on moveable and hard to bandage areas.

Product	Size	Part No.
1 Cover-Roll Stretch Bandage	2 in x 6 ft	202174-000-002
	2 in x 30 ft	202174-000-010





Cadwell Industries, Inc. is an American, family-owned neurophysiology diagnostic and monitoring solutions provider founded in 1979 by brothers John and Carl Cadwell. We engineer innovative and easy-to-use solutions that efficiently improve patient outcomes.

Our core competencies are full-spectrum EEG; Electrodiagnostic solutions for EMG, NCS, and EP with fully integrated Ultrasound; IONM; Sleep Diagnostics including in-lab PSG and HSAT; and a full suite of essential electrodes and accessories. We combine customer insight with decades of employee expertise to create cutting-edge technology and provide market-leading customer support.

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Scan the code on the right, or visit the Cadwell website and contact us to schedule a demonstration of Cadwell Sleep solutions for you and your team.

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