



Babies have a language all their own

Circadiance **SmartMonitor** Cardio-Respiratory Monitoring





Decoding the language

Circadiance SmartMonitor cardio-respiratory monitoring can help clarify what at-risk babies are communicating, alerting caregivers in the hospital or home about significant events and providing valuable information to enhance care.



The SmartMonitor 3, with its easy-to-understand user interface, gives parents the information to take action.



The SmartMonitor 2 Professional Series (PS) and Professional Series Light (PSL) offer multi-parameter monitoring made easy in a variety of clinical environments.



Count on cardio-respiratory monitoring with the SmartMonitor family of monitors for use in healthcare facilities or at home.

of babies

For hospital and home

In the hospital as well as in the home, the use of comprehensive, documented SmartMonitor event-monitoring technology provides caregivers with an understanding of the physical vulnerabilities of infants at risk.

Enhances care planning

In the clinical setting, SmartMonitors can be used to measure heart rate, respiration and oxygen saturation levels for evaluation to aid in step-down or discharge planning and follow-up care.

Offers a valuable reporting tool

Synergy-E Software is used with SmartMonitors to document central apnea, bradycardia, tachycardia, hypopnea and other apparent life threatening events (ALTEs) that may not be recognized and recorded during bedside charting.

Preparation for the journey home

SmartMonitors can be used for car seat testing prior to discharge to monitor for possible apnea, bradycardia or oxygen desaturation in premature and low birth weight infants.

Provides productive home monitoring

In the home, SmartMonitors can alert parents of at-risk infants to potential ALTEs or provide clinicians with downloadable data they can access remotely for interpretation and to prescribe an appropriate course of care.

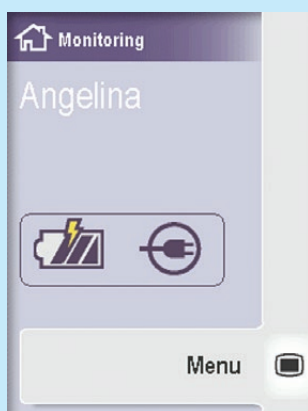
Smart transition to home

Circadiance SmartMonitor 3 provides the next generation of infant home cardio-respiratory monitoring, combining the latest technology with portability and an easy-to-understand user interface. An optional version includes oximetry.

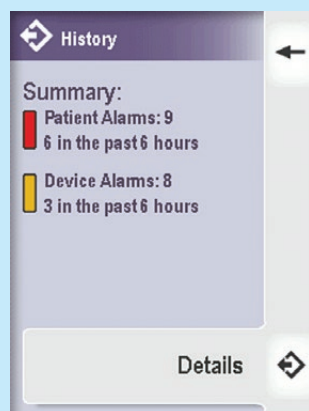
Easy-to-understand user interface

If recordable changes in heart rate or respiration occur, the SmartMonitor 3 alarm and new user interface screen with intuitive graphics helps parents understand why the unit is alarming and what steps to take. A display with symbols rather than numbers is designed to clearly indicate normal fluctuations in data versus those with cause for concern. An alarm pause option gives parents and clinicians time to assess patient issues and make appropriate changes to current therapy.

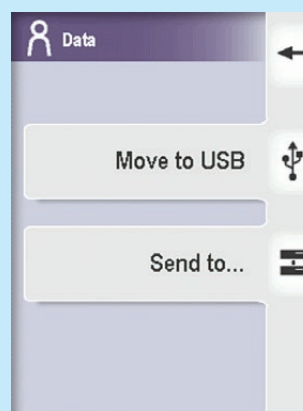
Detailed information at your fingertips



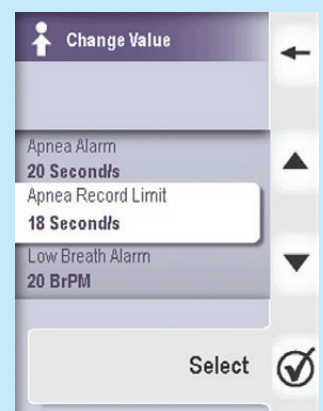
In monitoring mode, the brightly lit LCD screen displays patient name, battery life and wall-charging state.



In monitoring mode, a brief patient history is available to parents – or displays the number of alarms that have occurred. 'Details' provides a list of the last 10 events.



In monitoring mode, parents have the capability to transfer data if the 'Memory Almost Full' or 'Memory Totally Full' events become active.



In menu mode, four simple buttons allow home care personnel to set parameters and change system information or to display the number of alarms that have occurred.



Heart and lungs displayed in green indicates no alarm.



Heart or lungs displayed in red indicates alarm condition.

Light and highly durable

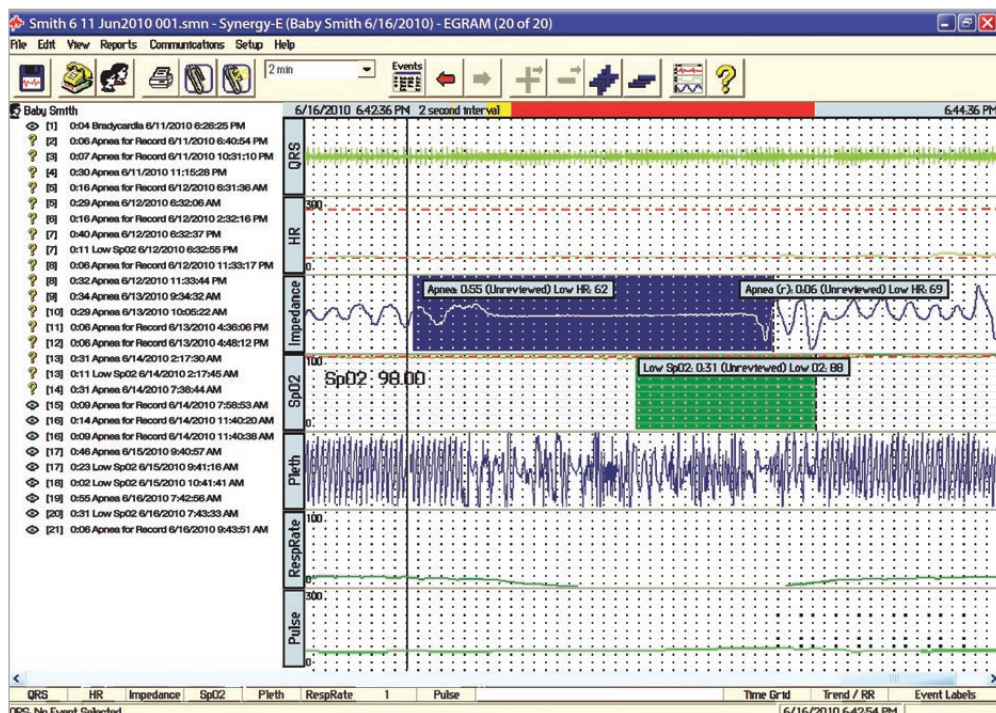
An integral power supply facilitates easy transport, while the new patient cable is side-attached for durability, reliability and long cable life. Using a SmartMonitor 3 with oximetry option allows for oximetry, breathing and heart signals to be collected over one patient cable rather than two, simplifying cable management.

Reliable operation and data storage

Internal memory provides event recording, and a rechargeable battery gives up to 15 hours of operation. Local access to data downloads is available either by USB connection to a PC or by USB thumb drive.



Make the most of your monitoring



Synergy-E software details an event during which an infant has experienced an apnea followed by a desaturation; the apnea and plethysmograph indicate the desaturation to be a true event.

View and score patient events with Synergy-E

Synergy-E event software, for use with Circadianc SmartMonitors, allows clinicians to easily identify and classify apneas or bradycardias, reducing the effort required to accurately record potential ALTEs.

Synergy-E provides graphical displays, the ability to define patient information, customizable event labels and a notes section for enhanced communication. Customizable one-page reports provide patient demographics, monitoring parameters and history categorized by patient event, equipment, summaries or compliance reporting.

Open text fields allow entry of virtually unlimited data, including diagnosis, medications, history, comments, interpretation and recommendations. The electronic file can be saved with the patient's records for future reference.

Training for infant waveform analysis

The Circadianc Infant Waveform Analysis e-Learning Program is available Online at www.circadianc.com/iwa-training/. This program has been approved for 1.5 contact hours Continuing Respiratory Care Education (CRCE) credit by the American Association for Respiratory Care. For questions on how to include the Synergy-E Infant Waveform Analysis e-Learning Program into your clinical education efforts, please contact Circadianc at info@circadianc.com. We will provide you with detailed information on how to tailor courses for your group education needs. For more information on the Infant Waveform Analysis course, visit www.circadianc.com/iwa-training/.

Planning for a safe journey home

The Car Seat Challenge is a comprehensive program to perform car seat safety testing. This initiative supports car seat testing for premature and low-birthweight infants in the hospital prior to discharge. Developed

in conjunction with the American Academy of Pediatrics (AAP) guidelines, the Car Seat Challenge provides families and NICU staff with a comprehensive program including a knowledge pack that contains clinical resources, guidelines and testing protocols to help provide proper car seat positioning for highly vulnerable infants. For more information, visit info.circadianc.com/circadianc-car-seat-challenge.

The smart, baby-friendly choice

SmartTrace neonatal/pediatric electrodes are formulated with two unique patented gel layers locked together and a unique mesh to prevent slippage and delamination. The first layer is gentle and allows the electrode to stick, and re-stick while still being kind to delicate skin. The second layer is formulated for exceptional adhesion to the electrode.



Powerful monitoring in the hospital

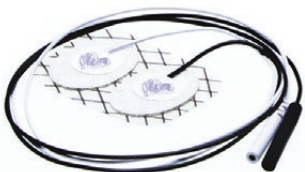
SmartMonitor 3

SmartMonitor 3 is a powerful patient monitor intended for infant use in the home or hospital, and pediatric or adult use in the hospital. Using three-channel pneumogram capability and diagnostic-quality waveforms that can be viewed using Synergy-E software, SmartMonitor 3 provides detailed information regarding a patient's heart rate, respiration and oxygen saturation.

The SmartMonitor 3 is ideal for documenting patient response to conscious sedation, patient-controlled analgesia and general floor monitoring. SmartMonitor 3 is designed for heart rate monitoring, respiration monitoring and event recording in a variety of settings. It provides cost-effective heart and respiration monitoring parameters.

SmartMonitor 3 Provides:

- Up to 1000 events captured
- Up to 15 hours of portable operation
- Universal symbol interface
- Durable metal patient connector
- Hospital or home care selectable settings
- Built-in Masimo technology



SmartTrace neonatal/pediatric electrodes, for use in the hospital or home, are designed to be gentle on a baby's delicate skin.

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