

# Ami<sup>®</sup> Plus

## Infant Apnea Monitor

From the most trusted name in infant apnea monitoring, a home monitor that offers leading-edge technology and unmatched ease of use, all in a small, lightweight package.

The Ami<sup>®</sup> Plus is an infant and memory monitor with a proven history of performance and a host of desirable features, including:

- Enhanced respiration detection, backup alarm and environmental seal, for superior safety and reliability
- Simple battery pack replacement, long battery life, standard A/C power cord and easy-to-read signal-quality indicator for simple operation
- CAS Express software for streamlined data analysis
- Interfaces with CAS Medical's Easy II Sleep Pediatric System
- Interfaces with the latest pulse oximetry technology
- Internal modem for fast data transmission

### Apnea Monitors



# CAS Ami Plus<sup>®</sup> Infant Apnea Monitor

## Alarm and Non-Alarm Settings

Apnea  
10-30 seconds  
(5 Sec. increments)

Bradycardia  
40-130 BPM  
(5 BPM increments)

Tachycardia  
125-250 BPM OFF  
(25 BPM increments)

Oxygen Desaturation  
50%-95%,  
OFF (5% increments)

Loose Lead  
Base impedance greater than  
1700 ohms, nominal

Low Battery  
Battery voltage too low to  
continue without charging

Battery Caution  
Minimum of 1-hour battery  
charge before Low Battery

Power/Safe  
Alarms if improperly  
shut off

## Memory

Patient Log  
2000-event capacity including  
all human alarm and non-alarm  
events, loose lead and low  
battery events

Monitor Log  
2000-event capacity including  
equipment alarms, monitor on-  
offs and monitor setting changes

Displayed Events  
2.5 hours (average) of patient  
event waveforms (apnea, brady-  
cardias, tachycardias and O<sub>2</sub>  
desaturations)

Two-minute and full event data  
capture options

Three auxiliary channels-  
position, airflow, pH, oximeter

Continuous Waveforms  
11-16 hours of continuous  
waveforms

FIFO and Priority Recording  
Modes

Memory Full  
Indicates when log or displayed  
events memory is 75% full

## Data Transmission

Direct Connection  
6 minutes at 38.4K baud  
with full memory

Modem Connection  
10 minutes at 14.4K baud  
with full memory

## Physical Characteristics

Size  
6.2 cm x 23.2 cm x 18.5 cm  
(2.45" H x 9.15" W x 7.27" D)

Weight  
1.6 kg (3.5 lbs.)

## Battery

Dealer Replaceable  
Battery Pack  
Rechargeable NiCad

Battery Operation  
20 hours continuous  
use (average)

Recharge Time  
5 hours

Lithium Battery  
for memory back-up

## Compatibility

9712 Remote alarm

2301 Patient simulator

8310-9310 Respiration/heart rate  
simulator (bench tester)

Oximeters with 0 to 1 volt  
output

## Standard Compliance

UL: 2601-1 (1994)  
CSA: C22.2 No. 601.1 (1990)  
IEC: 601.1 (1988)  
IEC: 601-1-2 (1993)

## Environment

Operating  
5° C to 40° C (41° F to 104° F)  
RH 15% to 95%, non-condensing

Storage  
-20° C to 60° C (-40° F to 140° F)  
RH up to 95%

## New/Other Features

Redundant audible alarms

Bradycardia option (3 beats or  
5 second delay)

QRS waveform in displayed events  
(event recording modes only)

Alarm activation markers in  
displayed events (from internal  
microphone)

ECG and respiration detection  
markers in displayed events

AC Power (no battery charger  
required)

Environmentally sealed from  
insects and liquid spills

Signal quality indicator

Monitor set-up directly on monitor  
or via PC software



**CAS MEDICAL SYSTEMS, INC.**  
TECHNOLOGY APPLIED TO MEDICINE



Certificate Number FM34847  
ISO 9001/EN 46001

Products are CE marked

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