The Carnation Ambulatory Monitor

is a continuously recording P-wave centric® ambulatory ECG patch monitor that records for up to the prescribed wear time.



Instructions For Use

recorder is clicked firmly in place.

A green LED light will blink for 10 seconds to confirm activation. After the LED activation is confirmed. press down on the event button once to ensure the

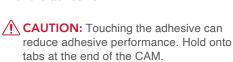
NOTE: The LED light may take a few seconds to initiate. The LED blinking will only occur when the Recorder is first connected to the Battrode. No additional blinking should occur while the CAM is being worn. Contact Customer Service if the LED does not blink as described

Step 4

Record the date and time of CAM activation, which is a required field to complete patient registration.

Step 5

Gently peel the liner from the CAM by grasping the tab at the top of the device and peeling downward, carefully avoiding contact with the adhesive.



IN THE BOX



(packaged inside CAM box)



(packaged inside CAM box)





Patient Diary and Quick Reference Instructions

Indications for Use

The Carnation Ambulatory Monitor (CAM) is designed to provide extended duration cardiac monitoring for people who are suspected of having cardiac arrhythmias.

Patient Population

The intended patient population includes both males and females not weighing less than 10 kg (22 lbs) who may have cardiac arrhythmias.

TABLE OF CONTENTS	Page
Instructions for Use	
Prepare the Skin	2
Prepare the CAM	3
Apply the CAM	4
Record Symptoms	4
Link the CAM to Patient Information	5
Operational Instructions	6
General Cautions	6
Processing Cautions	9
EMC Guidelines	10
Symbols	11
Technical Specifications	13

Locate the bone at the bottom of the sternum. This is

Apply the CAM to the patient's sternum with the bottom

and rub firmly around the edges of the patch for 1 minute

electrode of the patch sitting over the xiphoid process. Press along the entire edge of the patch for 2 minutes

to ensure adhesion. Place two fingers below the event

button and press down firmly to adhere the top of the

Instructions For Use

APPLY THE CAM

the xiphoid process.

CAM to the patient's chest.

RECORD SYMPTOMS

Instruct patients to gently

press the button only once

and record the date/time in

the Patient Diary (included).

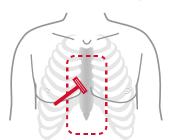
Do not press button repeatedly

each time they feel symptoms,

Step 6

PREPARE THE SKIN

CAUTION: Proper skin prep required to achieve full length of prescribed monitoring duration.



Step 1

Remove all hair over sternal area by shaving close to the skin. Do not merely clip hair. The prepared area should extend 2 inches past where the CAM will be placed.

Step 2

Use all prep pads provided in the box to clean area shown. SCRUB the skin with the prep pads until they appear clean after use. Skin should be scrubbed well enough to be slightly reddened. Allow the skin to dry for 2 minutes prior to applying.



PREPARE THE CAM

Step 3

On a flat, hard surface insert the narrow end of the Recorder into the Battrode first with the event button facing up, and then push the Recorder down firmly.

Instructions For Use

REVIEW

Step 8

4

over xiphoid process

Give the patient the Patient Diary and CAM box and explain their use. Review all instructions and Cautions and advise patient to avoid showering, bathing, or exercising for 24 hours following application, and thereafter avoid activities or environments that result in excessive perspiration, as this may result in a decreased period of monitoring.



LINK THE CAM TO PATIENT INFORMATION

CAUTION: Inability to diagnose if patient and physician data is missing. The Patient Diary card must be kept with the CAM to ensure proper diagnosis.

Step 9

Barcode stickers with the CAM identification number are found inside the CAM box and must be placed on the patient's chart or typed into the patient's EMR.



IMPORTANT: Fill in all information on the front page of the Patient Diary, including the patient name, date/time when the CAM is activated, physician name and hospital/clinic.

CONNECT Register the patient as early as possible on the BDxCONNECT patient management portal.

Cautions 6

OPERATIONAL INSTRUCTIONS

If the CAM becomes soiled, patient may gently wipe exterior of device, using a clean, dry cloth.

If Battrode becomes loose or detached from skin, patient should press the adhesive portions of monitor back in place.

If you do not see the confirmation blinking LED upon initial connection of the Battrode and Recorder, contact Bardy Diagnostics Customer Service.

Remind the patient to return the monitor following the prescribed period of wear.

SAFETY ALERT DESCRIPTIONS

The symbol shown below identifies a potential hazard category.

CAUTION

This alert identifies hazards that may cause minor personal injury, product damage, or property damage.

GENERAL CAUTIONS

This section lists general cautions. Those pertaining to specific functions and procedures are included in the text

/ CAUTION: Contains ECG Electrodes, which can

damage skin if used improperly. The CAM should be used by or in consultation with a health care provider familiar with its proper placement and use. Apply electrodes to intact, clean skin only. Do not apply over an open wound, lesion, infected or inflamed skin.



/ CAUTION: Damage to skin

Instruct patients to remove electrodes carefully to avoid damaging their skin.

Cautions

or forcefully.

Step 7

CAUTION: Post-application activity

Instruct patients to avoid showering, bathing, or exercising for 24 hours following application, and thereafter avoid activities or environments that result in excessive perspiration, as this may result in a decreased period of

CAUTION: CAM adhesive swelling

It is normal for the CAM adhesive material to swell in humid environments or when exposed to moisture. Instruct patients to allow adhesive to dry following activities such as showering or exercise. If desired, patient can gently pat with a dry towel, but should not attempt to reposition the CAM.



Submersion (such as during swimming or bathing) is not

advised. Instruct patients to keep showers brief and the CAM out of the direct stream of water.



!\ CAUTION: Poor skin contact Poor contact of the CAM with the skin can negatively affect

monitoring performance. Instruct patients to secure the CAM back in place if it becomes loose or detached.



P CAUTION: Skin irritation

Patients with sensitive skin or with known skin conditions should use the CAM with caution. If irritation such as redness, severe itching or allergic symptoms (i.e. hives) develop, instruct patients to remove the CAM immediately and have them contact their physician.



/ CAUTION: Allergic skin reaction

Do not use the CAM on patients with known skin allergies or family history of skin allergies.

Cautions

CAUTION: Choking Hazard

This is a prescribed medical device. Keep device and packaging away from young children.



7

CAUTION: Equipment damage

Use only as directed. Tampering with the CAM may render it unusable. There are no user serviceable parts.



CAUTION: May interfere with defibrillation therapy To avoid ineffective defibrillation therapy, remove the CAM before applying any external cardiac defibrillators.

! CAUTION: May interfere with MRI scanning

The CAM is not intended for use with MRI equipment and could reduce effectiveness of diagnostic scanning. Remove before any MRI scan.

/!\ CAUTION: Ineffective electronic imaging

The CAM is not intended for use with imaging equipment and could reduce effectiveness of diagnostic imaging.



Remove before using electronic imaging systems.



CAUTION: Equipment damage

Use only with approved Bardy Diagnostics BDxStation.

CAUTION: Enclosure damage

Do not use any parts that appear damaged. Check the

CAM for damage before using and reject any parts that have been damaged in shipping.



The CAM contains electrodes for monitoring ECG. Do not allow conductive parts of the electrodes on the CAM to come in contact with other conductive parts (including earth).

PROCESSING CAUTIONS

When the CAM is returned to the processing center, these additional cautions apply.

CAUTION: Contaminated surfaces

When the CAM is returned to the reading center, it will have been in contact with human skin. Follow the facility's procedures for appropriate handling.

CAUTION: Battery may present environmental hazard

The CAM contains a battery. Properly dispose of batteries in accordance with local regulations.

CAUTION: Electronic waste may present environmental hazard

DESCRIPTION

Do not expose to temperatures outside of

Atmospheric pressure must be within these

limits. For more information on environmental

Humidity must be within these limits. For more information on environmental parameters refer

to the Technical Specifications section.

Contains electronic equipment. Dispose of properly in accordance with local regulations.

CE Mark signifying conformity to EU regulations

these limits. For more information on

parameters refer to the Technical

Specifications section.

Date of manufacture

Orderable part number

EU authorized representative

Serial number

Batch code

MR Unsafe

environmental parameters refer to the Technical Specifications section.

The CAM is considered medical electrical equipment. Properly dispose of electronic waste in accordance with local regulations.

/ CAUTION: Single use only

The Bardy Diagnostics CAM is not intended for reuse, as the monitor becomes non-functional after the first use.

EMC GUIDELINES

The CAM requires special cautions regarding EMC and needs to be put into service according to provided information.

CAUTION: Electromagnetic interference (EMI) Portable and mobile wireless communications equipment such as wireless home network devices. mobile phones, cordless telephones and their base stations, and walkie-talkies can affect the CAM and should be kept at least a distance of 30 centimeters away from the equipment. Position the CAM away from other electrical or electronic equipment, if possible. The presence of strong EMI fields, or electronic, surgical, or diathermy instruments in close proximity to the ECG device may cause trace noise or input overload conditions.

The ECG device is compliant with IEC 60601-1-2 EMC immunity requirements.

SYMBOLS

Bardy Diagnostics products display one or more of these

symbols and warning labels.

SYMBOL DESCRIPTION

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Attention: Consult accompanying documents Warning and caution symbol

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TYPE BF APPLIED PART: F-TYPE APPLIED

PART complying with the specified requirements of 60601-1 to provide a higher degree of protection against electronic shock than that provided by TYPE B APPLIED

ⅉ

Note: TYPE BF APPLIED PARTS are not suitable for DIRECT CARDIAC APPLICATION.

IP23

Protected against intrusion from fingers and small objects, and from water falling as a spray at an angle of up to 60 from vertical. Do not immerse in bathtub or swimming.



Sold by prescription only CAUTION: Federal law (USA) restricts this device to sale by or on the order of a licensed healthcare practitioner.



Single use only



Manufacturer

13

Use-by date

Technical Specifications

Symbols

SYMBOL

SN

REF

LOT

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EC REP

ITEM

12

15

TECHNICAL SPECIFICATIONS

SPECIFICATION

Technical Specifications

Performance Characteristics

ECG channels 1 channel

Recording capacity Up to 2, 7, or 14 days

Recording format Continuous Service life Up to 2, 7, or 14 days

Shelf life 24 months

Electrical Characteristics

0.67 Hz to 25 Hz Frequency response 4 mV Differential range A/D sampling rate 171 Hz

Power Requirements

Battery type Lithium primary (coin cell) Lithium content Lithium content < 1 g Heavy metal content Within weight limits of 2006/66/EC UN compliance Complies with UN 3090

ITEM SPECIFICATION

Physical Characteristics

Approximate dimensions 178mm x 38mm x 14mm Weight <25g Enclosure material Medical grade thermoplastic polymer

Flammability rating

Classification

Type of protection Internally powered

Degree of protection Type BF applied part

Protection against objects and water ingress

IP23 (Protected against intrusion from fingers and small objects, and from water falling as a spray at an angle of up to 60° from vertical)

Electrode Characteristics

Number of electrodes

Type

Electrode incorporating electrode gel and internal lead wire

Supplied as Disposable, non-sterile Lead wire length

11.6 cm (no patient contact) Materials Electrode gel: Medical grade

conductive synthetic

Adhesive: Medical grade skin

adhesive

Technical Specifications

Environmental Specifications (ECG Device)

Operating temperature	50° F to 113° F (10° C to 45° C)
Operating pressure	700 to 1060 hPa
Operating humidity	10% to 95% (non-condensing)
Transport temperature	14° F to 130° F (-10° C to 55° C)
Storage temperature	59° F to 77° F (15° C to 25° C)
Transport / Storage humidity	10% to 95% (non-condensing)
Transport / Storage pressure	500 to 1060 hPA
Standards compliance	Applicable sections of IEC 60601-1, 60601-1-2,

60601-1-11, 60601-2-47

🔼 BardyDx®



<u>Carnation</u>

For assistance in setting up, using, and maintaining the device, or to report unexpected operations or events:



Bardy Diagnostics, Inc.® 220 120th Avenue NE, Ste 100 Bellevue, WA 98005

US Customer Service: (844) 422-7393

EC REP

Medical Product Service GmbH Borngasse 20 35619 Braunfels Germany

EU Customer Service: +44 1625 668811



 \mathbb{R} only \mathbb{R} By prescription only



Read all instructions before using this product

This device is provided non-sterile.

www.bardydx.com

DWG000781B 03/23

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Instructions For Use

For additional instructions and Frequently Asked Questions visit www.bardydx.com



Electromagnetic Emissions Declarations

Guidance and manufacturer's declaration – electromagnetic emissions

The CAM is intended for use in the electromagnetic environment specified below. The customer or the user of the CAM should assure that it is used in such an environment.

Emissions test Compliance		Electromagnetic environment - guidance		
RF emissions CISPR 11	Group 1	The CAM uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.		
RF emissions CISPR 11	Group B			
Harmonic emissions IEC 61000-3-2	Not Applicable	The CAM has No AC Mains, and is suitable for use in all establishments, including domestic, and those directly connected to the public low-voltage		
Voltage fluctuations/ flicker emissions IEC 61000-3-3	Not Applicable	power supply network that supplies buildings used for domestic purposes.		

Guidance and manufacturer's declaration – electromagnetic immunity

The CAM is intended for use in the electromagnetic environment specified below. The customer or the user of the CAM should assure that it is used in such an environment.

IMMUNITY test	IEC 60601 test level	Compliance level	Electromagnetic environment - guidance
Electrostatic discharge (ESD) IEC 61000-4-2	± 8 kV contact ± 15 kV air	± 8 kV contact ± 15 kV air	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%.
Power frequency (50/60 Hz) magnetic field IEC 61000-4-8	30 A/m	30 A/m	Power frequency magnetic fields should be that of a typical commercial or hospital environment.
Radiated RF IEC 61000-4-3 Radiated RF Proximity Fields IEC 61000-4-3 (per IEC 60601-1-2 Ed.4)	10 V/m 80 MHz to 2,7 GHz 9 V/m - 28 V/m per IEC 60601-1-2 Ed.4, Table 9	10 V/m 80 MHz to 2,7 GHz 9 V/m - 28 V/m per IEC 60601-1-2 Ed.4, Table 9	Portable and mobile RF communications equipment should be used no closer than 30 cm to any part of the CAM. Interference may occur in the vicinity of equipment marked with the following symbol: