

## CARDIOMETER CU-PH1

### Highly Portable

The device weighs only 230 g (including the 2 AAA batteries). The user has the choice between chest and hand electrodes. When the hand electrodes are used, the device is capable of acquiring and displaying Lead I ECG only.

### Multiple Lead Capabilities

When the chest electrodes are used, the device can acquire and display Lead I, or II, or III. The switching is done via an internal analog signal multiplexer, thus, there is no need to move the electrodes when switching between leads.

### Abnormal Heart Rate Alarm

The device can be set to give off an alarm when the detected heart rate is beyond the limits defined by the user.

### ECG Data Recording

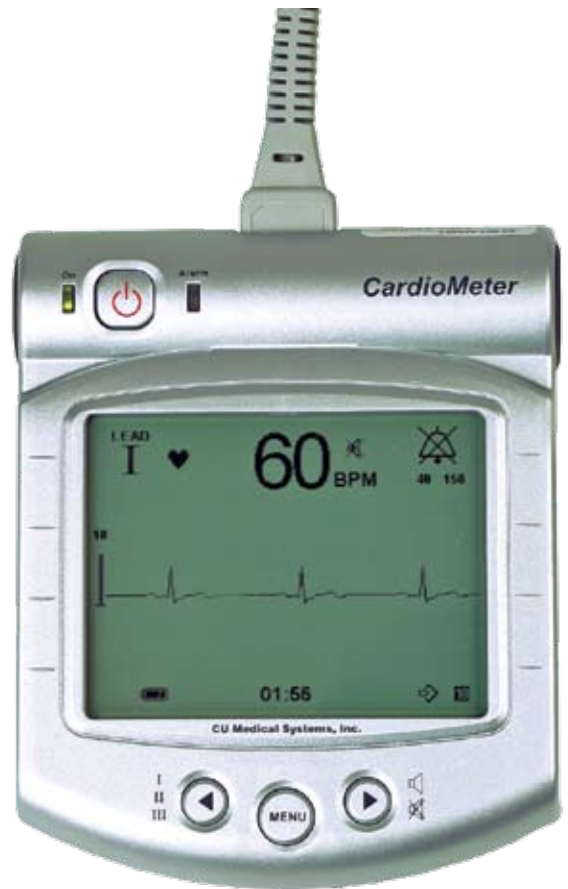
The ECG data acquired from the patient is automatically recorded in the internal flash memory of the device. This record can be subsequently downloaded to a personal computer using the CU-EX1 data management software from CU Medical Systems, Inc. A total of 600 minutes of ECG record can be stored in the device's nonvolatile internal flash memory.

### Heart Rate Trend

The device calculates the average heart rate of the acquired ECG every minute and displays the result in a heart rate trend graph.

### Key Features

- Small, lightweight for patient monitoring
- Uses 2x AAA batteries
- ECG data recording (600min); Printout - Recording data can be downloaded to a PC for full printout; Heart rate trend
- Convenient to use in Home Care cardiac monitoring application, Nursing Homes and Pre-Hospital Emergency monitoring
- Size: 100 x 133 x 22 (W x L x H mm)
- Weight: 200g



CODE	DESCRIPTION
CUPH1	PATIENT MONITOR ECG WITH 3 LEADS
CUPH1-OA03	CARRYING CASE
CUPH1-OA01	SOFTWARE DATA MANAGING WITH CABLE



# CARDIOMETER CU-PH1

## Specifications

### ECG

- Lead I, II, III with 3 Cable Electrodes
- Lead I with hand electrodes
- Bandwidth : 0.3 to 40 Hz
- ECG Vertical Scales : 5, 10, and 20 mm/mV
- ECG Sweep speed : 25mm/s
- ECG Heart Rate : 30 – 300 bpm( $\pm$  2%)
- CMRR : > 90 dB
- DC offset correction :  $\pm$  300 mV
- Sample resolution : 200 samples/sec, 12 bits
- Real time monitoring of BPM trend

### Display

- Screen Type : High resolution display (Graphic LCD)
- Screen size : 4 inches (10.16 cm) diagonal, 320X240 pixels
- Sweep speed : 25mm/sec, nominal
- Viewing time : 3.2 seconds
- Backlight : Can be turned ON or OFF
- QRS Beeping : Can be turned ON or OFF
- Screen Information : ECG, Heart Rate, Current Lead(s), Elapsed time, Status of Battery, Alarm, and Recording

### Data Storage & Management

- Recording Time : 600 minutes
- Data Recording : ECG Waveform, Recording Time, BPM Trend
- Data communication : IrDA

### Safety Standards

- IEC 601-1, IEC 601-2-25, MDD 93/42/EEC
- Class IIa Type BF

### Power

- 1.5V x 2 AAA LR03 type batteries

### Physical

- Length : 133 mm
- Width : 108 mm
- Thickness : 22 mm
- Weight : 230 g

### Package Contents

- Device, 1 ECG Cable (3 lead), 2 Battery (1.5V AAA), ECG Electrodes



### Optional Accessories

- Carrying Case
- ECG Electrodes (50EA/Pack)
- Data management software (CU-EX1) for patient information
- Multi-purpose Cradle for the device

