

## CARDIOMETER CU-PH2

The i-Viewer CU-PH2 is a lightweight, portable, battery operated, 5-lead Electrocardiogram (ECG) and SPO2 monitoring device. It has a high resolution (320x240 pixels) liquid crystal display (LCD). One of the leads and the plethysmographic wave is displayed simultaneously. The i-Viewer CU-PH2 runs on four AAA size 1.5V batteries. It may also run using a supplied AC/DC adapter.

ECG signal acquisition is achieved through a five-electrode ECG acquisition assembly with disposable electrodes while SPO2 signal acquisition is done using the recommended Nellcor SPO2 Sensors.

User interaction is through three function buttons (LEFT, RIGHT, and MENU). Through these buttons, the settings of the device can be changed. ECG signals can be recorded in the internal nonvolatile memory of the device. The stored signals can later be reviewed. These recorded signals can also be transferred to a personal computer that is running the CU Expert ECG Data Management Software. The CU Expert is available as an option.

The i-Viewer CU-PH2 analyzes the signal it acquires from the user and determines the heart rate of the user. The device prompts the user through the beeper and the LED alarm indicator if it detects an abnormal heart rate. Abnormal heart rate is any heart rate beyond the normal limits defined by the user.

### Convenient to use in:

- Hospital emergency rooms
- Hospital intensive care unit
- Pre-hospital emergency monitoring



### Key Features

- Power : 1.5V X 4 AA type batteries
- AC Adapter (DC 12V 3.6A)
- Size : 108mm X 133mm X 38mm (L X W X H)
- Weight : 275g
- Screen Size : 320 x 240 Graphic LCD
- Galvanic Protection : BF Type
- Recording Time : 600 minutes
- Data Recording : ECG Waveform, Recording
- Time, BPM Trend
- Data Communication : IrDA, UART

CODE	DESCRIPTION
CUPH2	PATIENT MONITOR ECG WITH 5 LEADS & O2
CUPH1-OA03	CARRYING CASE FOR PH1 OR PH2
CUPH1-OA01	SOFTWARE DATA MANAGING WITH CABLE



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### Specifications

#### ECG

- Lead I, II, III, aVL, aVR, aVF, V with 5 electrode cable.
- ECG Heart Rate : 30 ~ 300 bpm ( $\pm 2\%$ )

#### SpO2 Module

- Pulse rate : 20 ~ 250 bpm ( $\pm 2\%$ )
- Saturation : 70 ~ 100% ( $\text{SpO}_2 \pm 3\%$ )
- Perfusion : 0.2%

#### Display

- Sweep speed : 25mm/sec. nominal
- Viewing time : 3.2 seconds
- Backlight : Can be turned ON or OFF
- QRS beeping : Can be truned ON or OFF
- Screen information : ECG, Heart rate, Current lead, Elapsed time, Status of battery, Alarm and recording, SpO2 value and Plethysmographic wave

#### Data Storage & Management

- Recording time : 600 minutes
- Data communication : IrDA, UART

#### Safety Standard

- IEC 601-1, IEC 601-2-27, MDD 93/42/EEC
- Class IIa Type CF
- ISO9919

#### Power Resource

- 1.5V AA type batteries 4EA
- AC Adapter (DC 12V 3.6A)

