





# ECG Simulators

## EHS10 & EHS12

The Dale ECG Simulators are compact, self-powered devices that provide ten different waveform selections. There are four (4) ECG waveforms (rates from 30 to 240 BPM) with constant QRS duration, and six (6) ECG machine performance testing waveforms. Accurate performance is assured by the built-in test capabilities that monitor battery condition and proper circuit functioning.

The unit is designed with a CMOS microcomputer which synthesizes the output waveforms from stored data. Digital information is converted to accurate analog waveforms which are then sent to the appropriate output terminals. Waveform accuracy is determined by highly stable crystal frequency sources and reference voltage devices.



Waveforms	Description
	Heart Rate 30, 60, 120 & 240 BPM
	Sine Wave 10, 60 & 100 Hz
	Square Wave 0.125 & 2.000 Hz
	Triangle Wave 2.000 Hz

## Features:

- CMOS microprocessor controlled digital information
- Crystal frequency source and reference voltage
- Ten (10) ECG performance waveforms
- 200 hours of continuous operation on 9 V battery
- Continuity test for lead wires
- Universal connectors for lead attachment (EHS12 only)
- PVC test wave (EHS10 only)
- Low Bat indication

## Specifications:

Accuracy	Amplitude	±2% of Reading	
	Frequency	0.5% of setting	
Controls	Power Switch	2 position toggle	
	Function Switch	10 position rotary	
Power	9 V Alkaline battery, 200 hrs operation		
Size	EHS10: 4 x 2.5 x 1	EHS12: 6 x 4 x 1.5	
Output Imp	Leads: 5K Ohms		
Amplitude	Lead I	LA-RA	1.75 mV
	Lead II	LL-RA	2.75 mV
	Lead III	LL-LA	1.0 mV
	Lead C-RL		5.0 mV