

## Biobeat watch

### Product Overview

The Biobeat watch accurately measures parameters while in motion, with the added value of being comfortable and non-restrictive, and a user-friendly application in which all data is gathered. It is suitable for physicians, health care workers, and patients of all ages, using both IOS and android systems.

### Specifications

Parameter	Effective Range	Accuracy	Unit
Respiratory Rate	0 to 40	±2	Respirations per minute
Saturation	40 to 100	±2%	%
Heart Rate	35 to 250 BPM	±3%	Beats per minute
Heart Rate Variability	0 to 30	±2%	%
Blood Pressure	Sys: 60 to 300; Dias: 40 to 150	Sys & Dias ±3mmHg or ±2% of reading (whichever is greater)	mmHg
Pulse Pressure	10-60	±5%	mmHg
Stroke Volume	20-130	±10%	mL/beat
Cardiac Output	1.5-13	±10%	L/min
Cardiac Index	1.5-6	±10%	L/min
Systemic Vascular Resistance	250-2400	±10 %	dynes-sec/cm-5
Skin Temperature	20- 45	±0.3°C	°C
Power requirements	Voltage Regulated 3.3V +10%. Ripple: less than 1%		
	Average current: 4mA		
	Peak current: 100mA for 50us every 16ms		
Mechanical Overall dimensions	48X38X16mm		
Weight	1.94 oz. (55.0 gr)		
Environmental	Operating temperature 0 to 42°C (32 to 107°F)		
	Storage temperature -20 to 70°C (-40 to 158°F)		
	Humidity Up to 95% non-condensing		



- PPG Technology
- Unique IP protected hardware and algorithms
- Local processing
- Real time measurements
- Transmission of data through Wi-Fi, BT, RF, Cell