

# aCARDIOz

CARDIO from A to Z



**Tomorrow's Home Health Care Technology Today!**

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# aCARDIOz



**Personalized Digital Pulse Wave Monitoring**

**“Best of Show”**

**Nominee**

**CES 2013**

**January 8~11**



**“Publicly Released”**

**CTIA 2013**

**May 21~23**

**“CES Innovations Design and  
Engineering Awards”**

**January 9, 2014**

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CARDIO from A to Z



- **Know Your CARDIO from A to Z**
- **Create a personal Health index tracking zone (apHitz)**
- **Track Your Results and Take Charge of Your Life**
- **Monitor Your Improvements from Home or "On The Go"**
- **Improve Your Performance and Achieve Personal Goals**
- **Perform with a Healthier Lifestyle & Feel the Difference**

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**CARDIO from A to Z**

- **Real-time Compliance Monitoring At Your Fingertips**
- **Track Results For Active Lifestyle, Exercise or Diet**
- **Incentive Base Visuals Helping You Stay On Track**
- **Personalized Daily Results, Charted Historical Data**
- **Secure Encrypted Log-in For 24 Hour Access**
- **Provide Live Data for Your Local Health Care Professional**

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The **aCARDIOz (apHitz)** is a compliance service used for the non-invasive measurement of pulse waveform. The pulse wave is the arterial pressure change that originates from the pulse and transmits through an artery. The information reflects the functional efficiency and status of the cardiovascular circulation.

The **aCARDIOz (apHitz)** utilizes an IR (infrared) reflective beam (left) & through the fingertip (below right) technology to obtain the pulse wave information. The Plethysmogram (**PTG**) is calculated and displays the information of pulse rate, arterial elasticity, dilations, resistance, etc., that can be recorded, stored as data points for easy examination and secure transmission.



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The **aCARDIOz (apHitz)** delivers two live real time wave forms, a PTG along with an Accelerated Plethysmogram (**APG**). The APG (secondary differentiated waveform) displays information of arterial aging. Imagine the benefit and ability to provide an overall snapshot of an individual's arterial and cardiovascular health from anywhere in the world remotely on the run or from the comfort of their own home.

The **aCARDIOz (apHitz)** Phase 1 release currently displays the PTG & APG while quantifying the elastic index of the large, small & peripheral arteries, measures the left ventricle ejection time in milliseconds, O2 saturation level, body mass index & pulse rate and reports one single number displayed in a personal Health index tracking zone. (apHitz)

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The **aCARDIOz (apHitz)** software can be downloaded for the latest smart phone devices utilizing the Android OS, iPhone OS, Windows Mobile and Blackberry. Optional Windows and Mac OS versions are scheduled. Monthly or Pre-Paid Annual subscriptions may be replenished from several options to best suit the preferred usage

The **aCARDIOz (apHitz)** history is stored on the local device and syncs to the national database. Options are available to deliver daily and historic data to a local health care provider. Remote monitoring options for geriatric clients are available upon request. Upgrade options for additional functionality and monitoring may be purchased separately.

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CARDIO from A to Z

**Pulse Oximetry for  
Personal Home Use  
& Sports Nutrition**



**A Global Leader in  
Noninvasive Personal  
Monitoring Innovations**