

CardioWare™ Harness

Diagnostic quality ECG without skin preparation or exposed wires

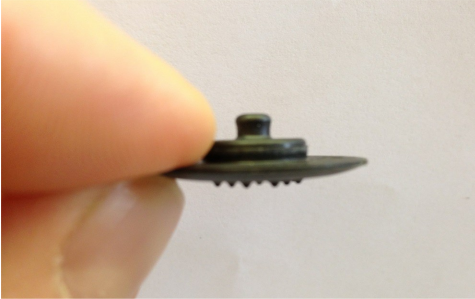
**SILVER®
bumps**

Employing Orbital's
SilverBumps® Electrodes

 **Orbital Research Inc.**
Creating tomorrow's products from today's innovations.

*"The **Bumps** have it when it comes to CardioWare. Orbital's SilverBumps® electrodes are key to 'locking' sensors to the skin."*

-Medical Design Magazine, June 6, 2013



Side view of a SilverBumps® electrode showing connector snap and "bumps"

Key Features:

- Equipped with SilverBumps®
- Adjusts to fit most body types
- No exposed wires
- Disposable

Benefits:

- Eliminate exposed wires
- Minimize skin preparation
- Don/doff quickly and easily
- Improve patient comfort
- Increase patient compliance
- Extend monitoring time

Health Applications:

- Cardiac Monitoring
- Mobile Outpatient Telemetry
- Disease Management
- Preventative Medicine
- Elite Sport/Athlete Training



Front view of the CardioWare™ harness (integrated with a medical monitoring module)

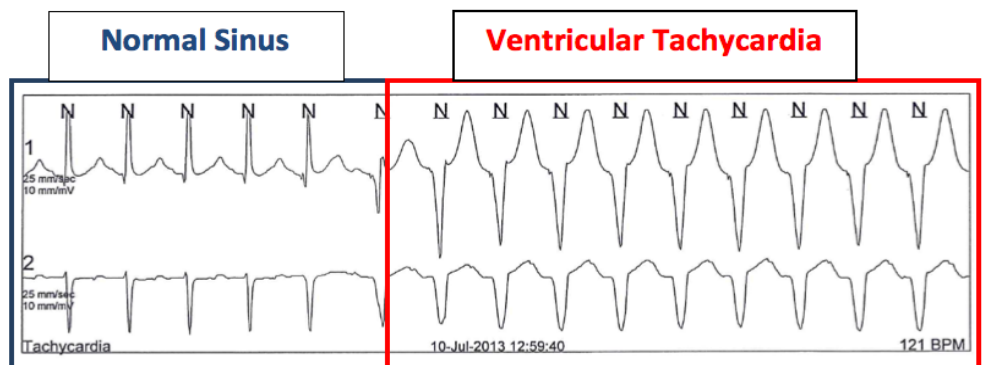
The CardioWare™ harness has fixed electrode positions to ensure proper placement each time the harness is re-applied. CardioWare™ is designed to eliminate exposed wires for increase patient comfort and compliance resulting in more useful cardiac data.



CardioWare™ is a low profile, adjustable harness that monitors and transmits ECG signal. The CardioWare™ harness is enabled by Orbital's SilverBumps® electrodes which reliably collect ECG signals via unique surface features, or "bumps". Integration of Orbital's SilverBumps® electrodes allows measurement of bioelectric signals with no skin preparation, messy gels or irritating adhesives.

CardioWare™ is capable of interfacing with many of the existing 3-lead and 5-lead ECG Holter and event monitoring systems. With increased patient compliance and compatibility with existing systems, the CardioWare™ harness will provide more successful diagnostics for Holter and Cardiac Event Monitoring studies.

Patients can easily don and take off the CardioWare™ harness in the comfort of their own home which offers clinicians the diagnostic advantage of comprehensive, continuous, and real-time data under ambulatory free-living conditions.



Two ECG plots attained using the CardioWare™ harness from a test subject with a known arrhythmia. The CardioWare™ harness was able to clearly identify the arrhythmia.

Orbital Research, Inc.

4415 Euclid Avenue, Suite 500
Cleveland, Ohio 44103-3757

Phone: 216-649-0399

Fax: 216-649-0347

E-mail: Info@orbitalresearch.com