

Zephyr™

Zephyr's™ revolutionary technology and patented algorithms have been developed into human monitoring systems which detect and analyze physiologically important events; these 'Smart Fabrics' can be worn in real world environments without impeding the wearer. Their expertise in developing application-specific algorithms such as VENTILATORY THRESHOLD detection, allows us to deliver solutions that capture vital data and provide fast, accurate analysis of the likely impact of physiological events on their subject.

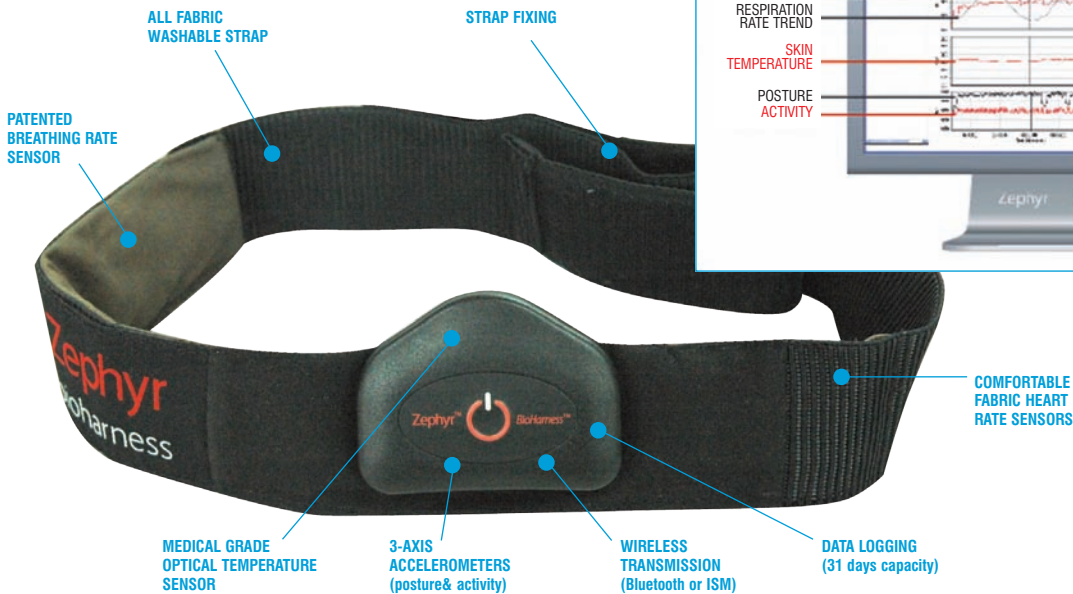
DATA INSTANTLY EXPORTABLE TO EXCEL

Data Logging WEAR & RECORD BIOHARNESS

Live Data Transmission ISM RADIO LINK USB RADIO RECEIVER

Graphic Display

- ECG HEART RATE TREND
- RESPIRATION RESPIRATION RATE TREND
- SKIN TEMPERATURE
- POSTURE ACTIVITY
- INSTANT HEART RATE
- INSTANT RESPIRATION RATE
- INSTANT SKIN TEMPERATURE
- INSTANT POSTURE/ACTIVITY



34

BioHarness™

BioHarness™ integrates patented Smart Fabric sensor technology into a garment that is comfortable and unobtrusive. It captures comprehensive physiological data on the wearer, eliminating the need for multiple devices. The robust BioHarness™ enables genuine real world monitoring of human performance and condition – giving you a vital advantage.

Main product features

- Monitors heart rate, R-R and ECG trace
- Monitors breathing rate and depth
- Records local skin temperature for trend analysis
- Monitors inclination in degrees from horizontal for posture reporting
- Activity measured in velocity magnitude units over pre-defined epochs for calorific analysis
- Examines acceleration to allow study of loading and perturbation changes
- Fabric based, dry contacts are non restrictive and comfortable
- Allows quantitative analysis between subjects, activity, situation and time
- Real time and trend analysis via graphical display
- Wireless connectivity

Product code: 96000122 BioHarness starter pack

Ideal for use in:

Sports performance and general fitness

BioHarness™ offers a critical advantage in boosting performance and preventing injury by measuring improvements in technique and response – both over time and in real time. Remote and group monitoring capability offers greater training options.

Education and research

BioHarness™ enables genuine field based research – allowing previously unavailable research avenues to be explored, and helps achieve greater insights through analysis of quality, in depth data.

