

# Zephyr™ BioHarness™ BT



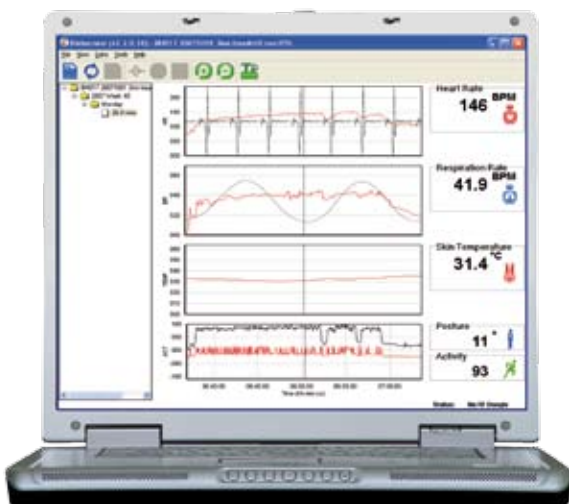
BioHarness™ BT couples the pioneering Smart Fabric sensor technology of the comfortable and unobtrusive BioHarness™ garment with the power and ubiquity of Bluetooth®. Using the optional Zephyr™ phone application, BioHarness™ BT captures and transmits comprehensive physiological data on the wearer via mobile and fixed data networks – enabling genuine remote monitoring of human performance and condition in the real world.

## BioHarness™ BT applications

BioHarness™ BT has applications in any field requiring high-level wireless and remote physiological monitoring, including research, training and tele-health situations. It offers a vital advantage to users in a diverse range of sectors, including academic and research, sports, defense, health and wellness.

## The BioHarness™ BT advantage

BioHarness™ BT can be worn in virtually any environment – from combat situations to the sports field. It maintains performance under extreme activity. Offering fast, accurate collection and analysis of high-quality, in-depth data, BioHarness™ BT is the definitive product for remote physiological monitoring in all conditions.



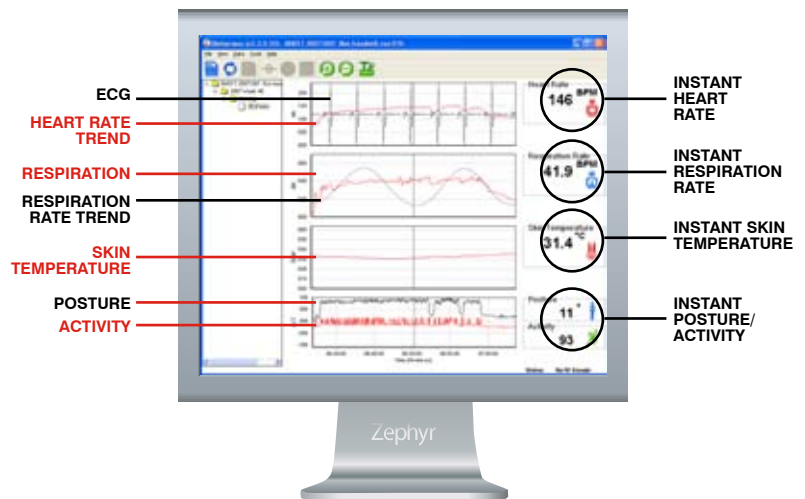
ZEPHYR BIOHARNESS™



## Live Data Transmission



## Graphic Display



## BioHarness™ BT benefits

- Simultaneous monitoring of heart rate, breathing rate and depth, skin temperature, activity and posture
  - Obtain in-depth, comprehensive information
  - Eliminates requirement for multiple garments
  - Cost-effective
- Smart Fabric-based, dry contact strap
  - Unobtrusive – no impediment to wearer
  - Comfortable over long periods
  - Washable
- Robust
  - Signal and data quality maintained in extreme movement environments
- Streaming, Sample or Threshold mode for transmission
  - Can transmit all data continuously
  - Can transmit average or peak data periodically
  - Can transmit periodical summary, switching to streaming when configurable thresholds are exceeded
- All measurements are collected in one data set, in the same format
  - Significant reduction in time to integrate with server applications
- 30 days of continuous data storage
  - Enables long-term remote use before analysis
- Eight hour battery life, simple USB charging
  - Enables continuous monitoring of long-duration activities

## BioHarness™ BT capabilities

- Monitors heart rate, R-R
- Monitors breathing rate and depth
- IR skin temperature measurement
- Activity measurement via 3D accelerometer
- Posture analysis
- Fabric-based, dry contacts
- Wireless connectivity
- Comparative analysis
- Real-time and off-line analysis

## Zephyr™ phone application capabilities

- Local display of summary data
- Remotely configured thresholds
- Streaming, Sample or Threshold data transmission modes

To purchase your BioHarness™ BT simply visit [www.zephyr-technology.com](http://www.zephyr-technology.com). For more information, email [info@zephyr-technology.com](mailto:info@zephyr-technology.com) or phone +64 9 574 6523.



Zephyr™ [www.zephyr-technology.com](http://www.zephyr-technology.com)