Monitor ▸ Collect ▸ Analyse
A highly detailed clinical evaluation of human physical behaviour - 24/7, anywhere

Wearable Multi Sensor Technology
Record multiple parameters and get accurate estimates of energy expenditure, movement and sleep; all in one wearable device. Recording movement with an accelerometer will give you “counts” but this doesn’t translate accurately into Energy Expenditure for all activity types. Why only track movement when there are other easily measurable physiological parameters that provide a much more detailed and accurate picture?

- Unprecedented energy expenditure accuracy - not only based on movement.
- Sleep duration, quality and efficiency - not only based on movement.
- Activity cut points based on energy expenditure (configurable).
- Raw accelerometer data in gs up to 32hz (no counts).
- Off-body compliance channel – you’ll know the instant it’s taken off.
- 28 days continuous data collection.

SenseWear®
For the Healthcare Provider or Researcher
SenseWear is a highly accurate, easy-to-use, and cost effective way to continuously monitor energy expenditure, sleep and other physiological data.

No More Compliance Guesswork
Know Your Body. Change Your Life.
System Components

The Armband

- Small, thin and comfortable to wear
- Can be worn day and night
- Memory capacity: 28 days under normal use
- Battery power: 7 days under normal use
- Event marker button
- Data collection rate of 32 times/second from the following sensors:
  - Heat Flux
  - Galvanic Skin Response (GSR)
  - 3-Axis Accelerometer
  - Skin Temperature

The Sensors

1. Galvanic Skin Response
2. Skin Temperature
3. Heat Flux
4. 3 Axis Accelerometer

These sensors, combined with our advanced algorithms, calculate and report:
- Total Energy Expenditure (TEE)
- Active Energy Expenditure (AEE)
- METs
- Total number of steps
- Physical Activity Duration (PAD)
- Sleep duration
- Lying down

The Display (Optional)

- Provides immediate feedback on:
  - Steps taken
  - Moderate and vigorous activity levels
  - Calories burned and time
- Allows progress monitoring throughout the day
- Goal setting intervention with alarm on completion

The Software

- PC based software application
- Easily upload, annotate, analyse and share data
- Export data in XLS or CSV format (optional)
- Print or view PDF reports
- Review and annotate user events
- Graph the data for selected time periods (optional)
- Configure collection rate for sensors (optional)
- Specify and configure 2-4 activity levels

“Participating as a research subject has never been easier”