

Mobile human monitoring

Better Data

▼ Better Decisions

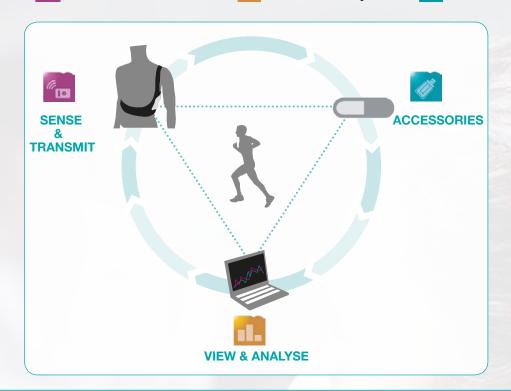
▼ Better Performance

The Equivital[™] TnR Product Range

May 2013 - September 2013

The Equivital[™] - TnR Product Range

Equivital[™] TnR Products combine world class human performance monitoring capability with robust clinical grade data quality. TnR Products fall into three categories: Sense & Transmit View & Analyse ✓ Accessories



Key Use Cases











- ✓ Military Thermoregulatory Research
- ✓ Performance Monitoring
- ▼ Research During Sleep

✓ Heat Stress Monitoring

- ✓ Algorithm Development
- Welfare Monitoring

Designed for use by real people in real environments, the products keep usability and flexibility at the fore, meeting broad end-user monitoring requirements.

Equivital[™] technologies have pioneered mobile human monitoring for almost a decade.

The TnR Product range brings these proven Equivital[™] technologies to users in the form of new sensor systems and software viewing & analysis tools.



The Equivital™ LifeMonitor is a multi-parameter body worn sensor for logging and transmitting, in real time, mobile human performance data.

EQ02 Sensor Belt

Product code: EQ-02-B1-1-S(SIZE), EQ-02-B2-1-S(SIZE)*

The EQ02 Sensor belt features a system of sensors and electrodes embedded in novel textiles. It connects with the Sensor Electronics Module (SEM) to provide mobile monitoring capability.

Designed to be comfortable when worn for extended periods, the EQ02 Sensor belt enables high quality measurement of physiology even when the wearer is engaged in strenuous physical activity and rapid movement.

Available sizes:

1-9 (Circumference at xipher sternum: 29 - 47 in / 74 - 119 cm).

Reference:

LifeMonitor Item 1.1 within price list.

- Aesthetically designed for maximum comfort
- Light weight breathable fabric with almost seamless design
- Superior sensor stability for very high data quality





- Light weight and optimised for long wear comfort
- ▼ Up to 48hrs battery life in full disclosure logging mode¹
- 8GB memory gives up to 50 days of data logging¹

¹Dependant on configuration

EQ02 SEM

Product code: EQ-02-SEM-007

The EQ02 SEM is the world's leading multi parameter ambulatory monitoring device that senses, records, monitors and intelligently processes data captured from the human and is able to transmit this over a wireless or wired interface. Multiple parameters are measured including high resolution tri axis accelerometry (256Hz), ingestible core temperature pill and time synchronised photoplethysmography.

The EQ02 SEM is FDA and CE marked, weighs 38gm and is IP67 certified when connected with a sensor belt and has class 1 bluetooth interface. Available with or without external wired sensor or battery pack connector.

Reference:

LifeMonitor Item 2 within price list.



*This model of the EQ02 Sensor belt features an external connector for wired ancillary sensors or enables connection to an additional external power pack.

^{*} Requires additional wired or wireless sensor.



VIEW & ANALYSE: Software

Data can be viewed in real time or retrospectively using Equivital™ viewing and analysis software tools.

The TnR Software range includes Equivital manager, a data management and configuration tool, and the eqView Software suite for web, local and mobile access to subject data.





Product Code: EQ-SW-12

A PC application used for configuration of SEM's and Equivital™ data management.

Reference: Software Item 5.1





Product Code: EQ-SW-EQV-P-1

A local or networked PC application used for monitoring subjects, viewing live data, trends and replaying logged data.

Reference: Software Item 5.2









Product Code: EQ-SW-EQV-MOB-A-1, EQ-SW-EQV-MOB-R-1

A mobile application used for viewing live data from a subject locally. eqView Mobile can also send data via GPRS, SMS or WI-FI to Equivital web-based Applications (Currently versions for Android enabled phones).

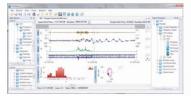
Reference: Software Item 5.4









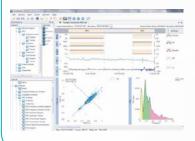


Product Code: EQ-SW-VS-01

VivoSense^R for Equivital^R is an intuitive, fully customisable visualisation and discovery tool that enhances post-processing of data.

Includes: VivoSense^R for Equivital[™] (import module)

Reference: Software Item 6.1



Product Code: EQ-SW-VS-HRV-01

Advanced VivoSense^R module provides support for users wanting to carry out

HRV analysis

Reference: Software Item 6.2

EquivitalTM - Software Developers Kits



Software Developers Kit Product Code: EQ-SDK-URIN-0 & EQ-SDK-URIJ-01

Equivital has a range of simple to use SDKs to suit applications across various operating systems.

The software developers kits are designed to allow developers of all capabilities the ability to embed Equivital data into their own applications without expert knowledge or training. The EQ02 LifeMonitor SDK is a simple and cost effective way to integrate EQ02 LifeMonitor data into third party systems. Using simple, standard programming techniques any data recorded by the SEM can be integrated into any .NET or Java application with as few as four lines of code, including streamed ECG, accelerometer, breathing and PPG waveforms. The SDK can interpret data from live SEMs and from recorded SEM files or at high speed for analysis and postprocessing. Note: an SDK license is required

Equivital works closely with equivital partner program members using SDKs to help develop new application solutions. This ensures both parties benefit from each others support and expertise.

Reference: Software Item7.1



VIEW & ANALYSE: System configurations

EQ02 Starter Kit system configuration for retrospective data analysis (Code EQ02-KIT-SU-2)









PC operating eqView Manager software for live data, data export and configuration

EQ02 Starter Kit (Multi User) system configuration for live data (Code EQ02-KIT-MU-2)



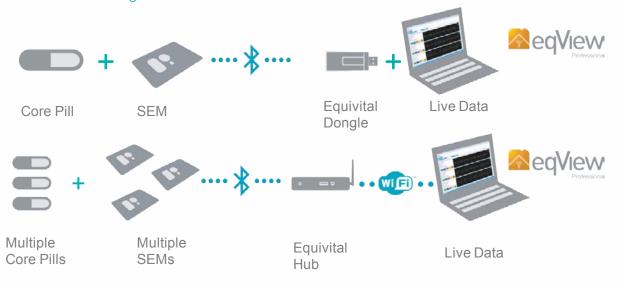
eqView Pro configuration for up to 6 Subjects with a direct Class 1 Bluetooth connection (in Partial Disclosure mode)







Configurations for live data to local PC with additional sensors



eqView Pro can be configured for up to 18 Subjects employing an Equivital™ Hub and PC operating eqView Pro software (in Partial Disclosure mode)



ACCESSORIES: Equivital™ - LifeMonitor Accessories

VitalSense®

Core Temperature Capsule

Product Code: EQ-ACC-023

Ingestible core temprature capsule measures core body temprature and transmits readings to

the SEM in real time.

Reference: Accessories 3.5



Product Code: EQ-ACC-048

Self adhesive dermal temprature patch measures skin temperature and transmits data to the SEM in real time.

Reference: Accessories 3.4



Product Code: EQ-ACC-034

Wrist mounted sensor for

measurement of galvanic skin response.

Reference: Accessories 3.7

Equivital™ Hub

Product Code: EQ-ACC-032 (USA)

EQ-ACC-032-V2 (ROW)

The Equivital™ Hub is a Bluetooth access point enabling communication with up to 18 SEMs¹ from a PC or LAN in real time. Networkable via WiFi or Ethernet connection. Operates with eqView professional software.

Reference: Communications 4

EQ02 M-Dock

Product Code: EQ-ACC-MD-1

Enables simultaneous charging and 2-way data transfer communication with up to six SEM's.

5 M-Docks can be daisy chained to

support 30 concurrent connections via two USB ports.

Reference: Accessories Item 3 within price list.

External Battery Pack

Product Code: EQ-ACC-BAT-1

Provides up to 5 times operational life*

Reference: Accessories 3.7



Simply activates the core temperature capsule and the dermal

temperature patch.

(Requires the use of a radio receiver or SEM to confirm capsule or patch activation).

Reference: Accessories 3.6



Nonin Xpod®

Product Code: EQ-ACC-042*

Low power connection to SEM for various compatible Nonin® sensor probes. (Other sensors are not supplied by Equivital™)

Reference: Accessories 3.2

Nonin iPod® Sp0₂

Product Code: EQ-ACC-041

Oxygen saturation probe with SEM connector and finger clip.

Reference: Accessories 3.3



Equivital™ Bluetooth Dongle

Product Code: EQ-ACC-BTA-2

The first easy connection Equivital™ dongle which enables fast communication of 2 SEMs in full disclosure and up to 6 SEMs in partial disclosure directly to a PC in real time. Up to 100m range².

Reference: Communications 4.1

EQ02 SEM Lead

Product Code: EQ-ACC-SL-1

Enables simultaneous charging and 2-way data transfer with a single SEM.

Reference: Accessories 3.1



^{*}Requires EQ02 (B2) Sensor Belt – Product Code: EQ-02-B2-S(SIZE)
¹Dependent on environment and number of SEM's in full or partial disclosure.
²Subject to environment.



Further information

If you require any further information about Hidalgo or Equivital $^{\text{TM}}$ please contact us at the address below:

Hidalgo Limited

Unit F, Trinity Court, Buckingway Business Park Swavesey Cambridge CB24 4UQ United Kingdom

T +44(0) 1954 233430

F +44(0) 1954 233431

E info@equivital.co.uk

www.equivital.co.uk





Copyright © Hidalgo Limited. All rights reserved. All other company and product names maybe trademarks of their respective companies. While every effort is made to make sure the information shown is accurate, Hidalgo does not accept any liability for any errors or mistakes that may arise. Specifications and other information may be subject to change without notice. All performance figures and other data contained in this document may vary by application.

Equivital $^{\text{TM}}$ by Hidalgo - a Jaltek Group Company

HIDA3330-TNRPR-04-04