



Mobile human monitoring
TnR Product Range

The Equivital™ platform enables mobile human monitoring across multiple applications and market sectors.

The TnR (Training and Research) product range, launching in July 2011, brings together Equivital™ products that can be used by professionals in training and research environments.

This includes:

- Military and paramilitary training organisations
- Healthcare research
- Pharmaceutical clinical research
- Academic & professional research in
 - Stress (physiological & psychological)
 - Heart rate variability
 - Thermoregulation
 - Human performance

Some key future applications

- Mobile health (home care, rehabilitation, proactive care, in hospital)
- Pharmaceutical (preclinical and phase 1-4 clinical trials)
- Safety critical (military, CBRN, first responder)
- Human performance (sport, scientific research)



Equivital™ TnR Product Range

The Equivital™ TnR product range is designed with precision to deliver accurate human condition and performance data. It is designed with usability and flexibility at the fore, refined to meet broader end-user needs.

The product range includes the LifeMonitor, a miniaturised sensor which facilitates ambulatory multi-parameter data collection and communications solutions affording both increased reliability and range.

With the launch of the eqView Software suite, new functionality has been introduced for both live viewing and to aid retrospective analysis.

The new web based Equivital™ remote monitoring service, eqView Explorer, enables data to be securely accessed and analysed.



EQ 02 LifeMonitor features

Internal Sensors	
2 Lead ECG	Heart Rate Interbeat Interval ECG Derived Respiratory Rate
Thoracic Expansion	Respiratory Rate
Infrared Temperature	Skin Temperature
Thermistor Temperature	Skin temperature Ambient to skin temperature
Tri-axis Accelerometry	Body position Acceleration Fall Activity
General	Physiological Welfare Index
External Sensors	
Core temperature capsule	Core body temperature
Oxygen saturation sensor	Oxygen saturation Heart rate
Dermal temperature patch	Skin temperature
Galvanic Skin Response	Skin conductivity
GPS	Location Speed

Key Use Cases

- Professional training organisations (Health & Safety)
- Human performance training and research
- Safety critical applications
- Integration with command and control systems
- Remote patient monitoring for mobile health applications
- Pharmaceutical clinical trials

Further information

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Equivital™ by Hidalgo - a Jaltek Group Company

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EQ02 – Sensor Belt: Key features

- 3 built in ECG electrodes (that don't require gels)
- Seamless & Unobtrusive
- Contains novel respiratory sensor
- Holds SEM in securely
- Available in side or front mounting

The LifeMonitor Body Area Network (BAN)

The Equivital™ LifeMonitor enables a comprehensive BAN by allowing external Equivital™ sensors and 3rd party complementary sensors to use the LifeMonitor as a BAN hub.

The Data from these sensors is integrated into the LifeMonitor data stream. This can then either be logged to the memory or transmitted in real time.



Extensive Software Packages/Solutions



equivital Manager

Is a desktop application used for setting up and managing LifeMonitor configuration and data extraction.



eqView Professional

Is a local or networked desktop application used for monitoring LifeMonitor subjects, viewing live data and replaying saved data.



eqView Mobile

Is a mobile application used for viewing live data from a LifeMonitor connected via Bluetooth and can also send data to eqView explorer. (Two versions available; BlackBerry and Android smart phones).



eqView Explorer

Is a web application, which receives live data from a LifeMonitor connected via eqView Mobile. Allowing the user to monitor subjects remotely.