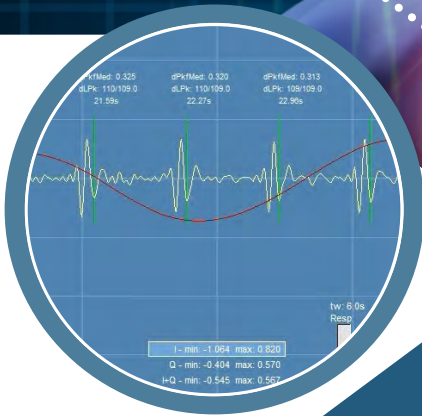


OleaSense™

for Remote Health Monitoring

An Olea wireless vital sign sensor
powered by Olea sensor analytic software
Intelligent Sensors That Save Lives



The Technology

- An advanced development platform for wireless vital sign monitoring
- Does not require any contact with body, no leads, no external wires
- Medically accurate to ECG as tested in two IRB monitored clinical trials
- OleaSense™ device weighs less than one ounce
- Compatible with Raspberry Pi and other Linux and Android systems
- Able to biometrically identify the user, thanks to Olea **HeartSignature™** software technology

Olea's advanced dashboard GUI
The OSN QUADCORDER™

OS-3010 Intelligent Multi-Sensor Data Sheet

Wearable, wireless, intelligent multi-sensor data-acquisition platform

Available for purchase for non-clinical R&D use ~ Compatible with Raspberry Pi and all Linux Systems

On-Board Intelligent Sensors

- 24GHz (K-Band) CW Doppler Radar Sensor
- Activity-Monitoring Sensors
- Tri-Axis Magnetometer ± 50 Gauss range
- Tri-Axis Accelerometer $\pm 2g$ sensitivity
- Tri-Axis Gyroscope

Connectivity

- Wired: micro-USB
- Wireless: Bluetooth Low-Energy (BLE) 4.2

Physical Attributes

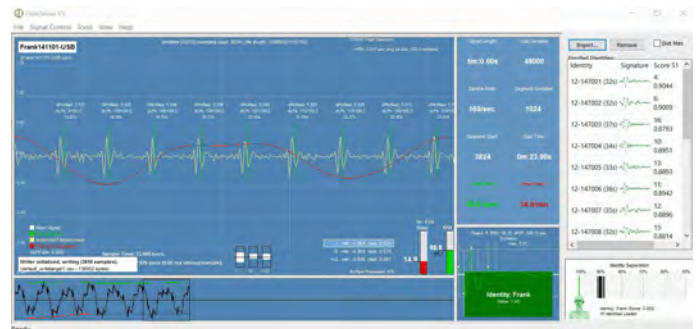
- Dimensions: 84mm (W) x 35mm (L) x 8.7mm (D)
- Weight: Approx. 1.0 oz. US (29 grams)
- Operating temperature range: 0° to 70° C
- Enclosure: Non-hermetic Red poly-carbonate plastic, with black front panel

Compliance

- Non-compliance to FCC, CE, ETSI, UL or FDA certifications (for non-clinical R&D use only)
- Non-compliance per Mil-spec environmental conditions. (commercial off-the-shelf)
- Units are fully RoHS compliant
- Radar subsystem complies with ETSI 300 440 and FCC 15.245 (US version)
 - Radar frequencies: 24.05 – 24.25 GHz (ISM/EU); 24.075 – 24.175 GHz (US/JP)

Software and Data Acquisition, Storage & Analysis

- Licensed Software (delivered with OS-3010)
 - On-board Olea customized firmware/software for data acquisition
 - Off-board Olea customized virtual instrumentation GUI software for data display
- GUI Software Compatibility: Windows 10, Android & Linux
- Compatible with Raspberry Pi
- Recording Time: Continuous (limited only by local memory of connected PC)
- Olea analytic software designed for “connected care” applications (planned optional add-on licensed software)



Note: All specifications are subject to change without notice and to verification at time of purchase.

Ask us about our capabilities to deliver device features & custom software to meet your requirements

