



OS-3005 Intelligent Multi-Sensor Platform Data Sheet

Wearable wireless, intelligent multi-sensor data acquisition platform

Now available for purchase for non-clinical R&D use

On-Board Intelligent Sensors

- Olea HeartSensor™
 - 5.8Ghz Micro-Doppler Radar Sensor
- Motion Sensors (Optional)
 - Tri-Axis Magnetometer (compass)
 - Tri-Axis Accelerometer
 - Tri-Axis Gyroscope

Processing, Programming & Memory

- On-board, high-performance 16 bit data acquisition system
- Processor—Cortex-M4 32 bit ARM (for loading embedded firmware, algorithms & signal processing software)
- Settings—set remotely through included software
- On-board memory



Connectivity

- Wired (micro USB 3.0)
- Bluetooth Low-energy (BLE) 4.0 (Optional)

Power

- Rechargeable 150mAh Li-ION battery (up to 8 hours, depending on use conditions)
- Wall or in-vehicle adapter (one installed battery & wall adapter delivered with OS-3005)
- OS-3005 runs at 5.8 GHz less than .09 watt

Physical Attributes

- Dimensions—84mm W x 35mm H x 8.7mm D
- Weight—Approx. 1.0 US ounces (29 grams)
- Colors
 - Frame: Red Plastic
 - Front: Black polycarbonate with two LED displays

Software and Data Acquisition, Storage & Analysis

- Licensed Software (delivered with OS-3005)
 - On-board Olea customized firmware/software for data acquisition
 - Off-board Olea customized LabView-based virtual instrumentation GUI software for data display
- GUI Software Compatibility—Windows 7,8,10 (Android & IOS planned)
- Recording Time—Approx. unlimited depending on local memory of PC
- Olea analytic software designed specifically for "connected car" and "connected care" applications (planned optional add-on licensed software)
- Ask us about our capabilities to deliver device features & custom software to meet your requirements

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