

# UbiqVue™ 2A Wearable Biosensor

Wireless. Disposable. Active  
Patient Monitoring with SpO<sub>2</sub>



Ground-breaking patented technology enabling patients to move freely within a hospital or home setting, while their SpO<sub>2</sub>, ECG and biodata are continuously captured and transmitted in near real-time\*, for up to five days.

The 2A Biosensor can be utilized with UbiqVue Multiparameter Systems.

## Disposable & Affordable

Water resistant, single use Biosensors with up to five day wear duration

## Multiparameter Data

SpO<sub>2</sub>, ECG and core biodata incorporated into a single wireless Biosensor

## Human Factor Design

Minimal skin preparation required, high patient comfort, convenience and mobility

## Reliable and Secure













HIPAA & GDPR compliant encrypted data transfer

## Clinical-grade Accuracy

Proven reliability, accuracy, and usability that meet international regulatory requirements

## World's first single-use wireless Biosensor with SpO<sub>2</sub>

### Key features:

-  SpO<sub>2</sub>
-  3-channel ECG
-  Beat & Rhythm Classification
-  Heart Rate
-  Pulse Rate
-  Respiration Rate
-  Temperature (Body & Skin)
-  Posture & Motion
-  R-R Interval
-  Heart Rate Variability
-  Event Recorder
-  Up to 5 day wear duration



## 2A Product Specification

<b>Product Codes</b>	System - UX2550, UX2550-I3. Biosensor - UB2550.		
<b>Wireless &amp; Security</b>	WLAN (IEEE 802.11b) 2.400-2.4835 GHz WPA2 - PSK/ CCMP security 5m (typical) CCK and DSSS	BLE 5.2 2.400-2.4835 GHz AES-CCM 128-bit Encryption 5m (typical) FSK	MBAN 2483.5 to 2500 MHz (EU) 2360 to 2400 MHz (US) WPA2-PSK / CCMP security 8m (line of sight). CCK and DSSS
<b>SpO<sub>2</sub></b>	100% to 70% Spectral Sensor		
<b>ECG</b>	3 channels 16 bit resolution Monitoring mode : 0.2 Hz to 40 Hz (with 244.14 samples per second) Diagnostic mode : 0.05 Hz to 150 Hz (with 976.56 samples per second) Patient activated event recorder		
<b>Beat &amp; Rhythm Classification</b>	Beat classification: Normal, SupraVentricular, Ventricular, Artifacts Rhythm classification: Sinus Bradycardia, Sinus Tachycardia, Afib /A. Flutter, Supraventricular Tachycardia, Ventricular Flutter, Ventricular Tachycardia, Idioventricular Rhythm, Pause, First Degree AV Block, Second Degree AV Block – Type I, Second Degree AV Block – Type II		
<b>Heart Rate</b>	30 – 250 bpm		
<b>Pulse Rate</b>	30 – 250 bpm		
<b>Respiration Rate</b>	6-60 breaths per minute range		
<b>Temperature</b>	32°C to 43°C (Body temperature)	15°C to 43°C (Skin temperature)	
<b>Posture &amp; Ambulation</b>	3-Axis (digital) Posture: Supine, Prone, Lying – Left/Right, Reclining, Recline Left/Right, Leaning Forward, Upright, Upside down Motion: No Body Motion, Mild Body Motion, Moderate Body Motion, Severe Body Motion		
<b>R-R Interval</b>	240 ms - 2000 ms		
<b>Heart Rate Variability</b>	SDNN: 1 min to <5 min, 5 min to <24 hr, ≥24 hr SDANN: ≥5 min RMSSD: 1 min to <5 min, ≥5 min		
<b>Physical</b>	116 mm x 91 mm x 17 mm 35g IP24 water ingress protection 12 hours memory cache		
<b>Battery</b>	Lithium Manganese dioxide Li-MnO <sub>2</sub> Up to 5 days battery life Defibrillation-proof type CF applied part		
<b>Usage</b>	Single use, disposable for Home and Healthcare Settings		

**For more information visit [www.lifesignals.com](http://www.lifesignals.com)**

