

# 1AX Wearable Biosensor

Designed for Patient Vital Signs  
Monitoring Solutions

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**The 1AX enables patients to move freely at home or in multi-patient clinical facilities, while their ECG, heart rate, respiratory rate and body posture data are continuously captured for up to five days.**

Patient biodata is transmitted wirelessly from the Biosensor to a remote secure server ready for display, storage and analysis.

The Bioweb Platform enables partner companies to quickly enhance their product and service portfolios to provide extensive patient monitoring to a broad patient base whether in a home or clinical setting.

## Benefits for MedTech OEMs

- Developer-friendly Bioweb Platform
- Ready for commercialization
- Scalable clinical-grade care

## Benefits for Patients

- Patient monitoring without boundaries
- Reduce the risk of disease transmission
- Minimal impact to patient lifestyle



## Wireless Vital Signs Monitoring

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- ✓ 2 channel ECG
- ✓ Heart Rate
- ✓ Event Recorder
- ✓ Respiration Rate
- ✓ Skin Temperature
- ✓ Body Posture
- ✓ Up to 5-day wear duration

## 1AX Product Specification

<b>Product Codes</b>	LP1550, LP1550E
<b>Wireless</b>	IEEE 802.11b WPA2 - PSK/ CCMP security Up to 5m service range
<b>ECG</b>	2 channels 244.14 and 976.56 samples per second 16 bit resolution 0.2 Hz to 40 Hz and 0.05 Hz to 150 Hz Patient activated event recorder
<b>Heart Rate</b>	30-250 bpm
<b>Skin Temperature</b>	29°C to 43 °C range
<b>Respiration Rate</b>	5-60 breaths per minute range
<b>Accelerometer</b>	3-Axis (digital) Lying, Upright, Incline posture status
<b>Physical</b>	105mm x 94mm x 12mm 28g IP24 water ingress protection Up to 24 hours of 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 Clinical Facilities

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

