

## The 1AX Wearable Medical Biosensor is designed for Patient Vital Sign Monitoring Solutions.



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

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

The Biosensor Ecosystem 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, clinical or workplace setting.

### Partner Benefits

- ✓ Interoperable Biosensor ecosystem can be tailored to your requirements including ready to deploy software development kit APIs or full end-to-end applications
- ✓ Low-cost solution ready for large-scale production
- ✓ Compliant, secure Biosensor ready for commercialization

### Patient Benefits

- ✓ Near-real time continuous vital sign monitoring with private and secure patient data
- ✓ Single-use Biosensor for minimal cross-contamination risk
- ✓ Lightweight and water-resistant with minimal impact on lifestyle

## Near-real time continuous vital sign monitoring

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

## 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 (minimum) 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)**

