

### THE RESEARCH CHALLENGE

Wearable sensors have the potential to revolutionize clinical trials and clinical research in general by replacing sporadic and often subjective measures with continuous, objective measures. To achieve this potential, researchers need the tools that provide the capabiltiy of continuous raw sensor data, that they can integrate to allow the development of functions such as programming and data retrieval

# **VERISENSE IMU (MOTION)**

Verisense sensors are designed to specifically to meet the challenges of clinical and applied research. The Verisense sensor range provides continuous collection of raw 3-axis accelerometer and/or gyroscope data The progress of the data collection can be monitored continually with different integration options via API's or Bluetooth commands.

#### **KEY BENEFITS**



Extended battery life \* Battery life configuration dependent



Continuous raw data



Flexible styling options



24x7 data coverage



Lightweight

## **TECHNICAL SPECIFICATIONS**

Accelerometer Sample Rate: 12.5Hz, 25Hz, 50Hz,

Range: ±2g, ±4g, ±8g, ±16g

Sample Rate: 12.5Hz, 26Hz, 52Hz, Gyroscope

Range: ±125/±250/±500/±1000/±2000 dps

Up to 40 days at 25Hz Accelerometer Storage

Water resistant IP67 - not recommended in shower

Size 35mm x 43mm x 12mm 29.6 grams (1 ounce) Weight

Bluetooth 5, Configurable upload interval Connectivity

ISO13485:2016, CE Certified Class I Medical Device Compliance

ECG, EMG, Bioimpedance. PPG & GSR available **Future sensor capabilities** 

## INTEGRATION OPTIONS

Develop functions such as: Programming & data retrieval via C# BLE API & MATLAB examples Also via **Bluetooth Commands** 





