

ActiGraph™

LEAP

The Next Generation Multisensor Wearable
for Patient-Centered Clinical Research



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Better Clinical Insights

Through the collection of continuous, multisensor data, ActiGraph LEAP provides more comprehensive insights into how participants function in the real world, while also supporting the development of novel digital endpoints.



Patient-Centered Design

ActiGraph LEAP was designed to minimize participant burden and maximize adherence through passive data collection, automated remote data uploads, long battery life between charges*, and a comfortable and stylish design.

* Battery life is dependent on sensor configuration



End-to-End Solution

ActiGraph LEAP is powered by a scalable cloud platform with state-of-the-art algorithms and full-service operational and data science support to ensure the successful collection of fit-for-purpose digital measures.



ActiGraph LEAP™ TECHNICAL SPECIFICATIONS

Featuring one of the most advanced and comprehensive sensor collections in the industry in a single, fit for purpose wearable device.



Primary Accelerometer
+/- 8G



Multi-Wavelength Photoplethysmography (PPG)
Green (530nm), Red (655nm) and IR(940nm) LEDs



Skin Temperature
-20C to 50C



Barometer
300 to 1100 hPa (~ -500m to 9000m)



IMU Gyroscope
+/-2000 dps



Microphone
100Hz to 10kHz



Dimensions
3.85 x 3.9 x 1.225 cm



Battery Life
32 Days*



Data Storage
79 Days / 1 GB



Sample Rate
32-256 Hertz



Communication
USB, Bluetooth® LE 5



Water Resistance
IPX7 (1 meter, 30 minutes)



To Learn More,
Contact Us Today

Certain components of embedded software in this device
is licensed from CSEM Switzerland

*Actual battery life and data storage is dependent on sensor configuration.

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The Next Generation Multisensor Wearable
for Patient-Centered Clinical Research

The ActiGraph LEAP™ combines the comfort and ease of a consumer wearable with one of the most advanced and comprehensive sensor collections in the industry.

Unlock new and deeper insights into how clinical trial participants function in the real world with our most advanced wearable ever. With six integrated sensors, ActiGraph LEAP provides clinical researchers with continuous, high quality digital measures of activity, sleep, mobility, and vital signs* in a single device. Features such as duty cycles and event-based data collection enhance usability by allowing for flexible and fit-for-purpose study design.



Fit-for-Purpose Digital Measures

- Physical Activity
- Sleep Period and Staging
- Functional Mobility
- Blood Pressure*
- Respiratory Rate*
- A-Fib/Cardiac Rhythm*
- Oxygen Saturation*
- Heart Rate and Variability*
- Skin Temperature*

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U.S. Federal law restricts this device to sale by or
on the order of physician or other a practitioner
for use in the course of their professional practice.



* Vital signs measures for investigational use only

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