

The Neeuro logo is positioned in the top left corner. It features the brand name 'Neeuro' in a white, elegant, cursive script font. A thin white horizontal line is positioned above the 'e' and 'u' characters, extending from the start of the 'N' to the end of the 'o'.

Neeuro

# SenzeBand 2 Gold Edition

A close-up photograph of the Neeuro SenzeBand 2 Gold Edition EEG device. The device is a dark grey, sleek headband with a prominent gold-colored sensor strip on the side. This strip contains seven gold-plated dry electrodes. The Neeuro logo is visible on the top surface of the headband, featuring a green horizontal line under the brand name. The background is dark with a subtle geometric pattern of interconnected lines and dots.

The **Neeuro SenzeBand 2 Gold Edition** is a non-invasive EEG device featuring 7 gold-plated dry electrodes for high-fidelity brainwave capture across the prefrontal cortex and temporal regions. Leveraging on gold's superior conductivity, it ensures stable, low-noise signal and long-term durability. Coupled with Neeuro's machine learning algorithms, it interprets mental states such as attention, relaxation, mental workload and many more in real-time. Lab-grade sensitivity delivers reliable biofeedback and precise, data-driven insights. From specialized brain health interventions to daily wellness, access clinical-quality brain health data anytime, anywhere.

# Product Specifications



## Sampling Rate

250Hz per channel  
24-bit resolution



## Motion Sensor

Accelerometer, gyroscope, and magnetometer



## Interpret EEG Data

AI algorithms to interpret EEG data to mental states in real time



## NeuroOS

Seamless integration with NeuroOS  
Support 3<sup>rd</sup> party apps



## Weight

88g

# SenzeBand 2 Technical Specifications

About		Electrical & Physical Characteristics	
Product Name	SenzeBand 2	Battery	3.7V, 320mAh Li-ion polymer rechargeable battery
Model Number	SB-02	Battery Life (Typical)	Up to 6 hours of continuous use
EEG Sensors		Battery Charge Time	Approximately 2 hours
Number of Channels	4	Operating Voltage	3.3V DC, $\pm 2.5V$ AC
Number of Electrodes	7 proprietary gold-plated sensors : <ul style="list-style-type: none"> <li>• 5 Forehead (2 EEG, 1 Reference, 2 Biases)</li> <li>• 2 Temporal lobe (2 EEG)</li> </ul>	Input Ratings	5V = 1A
Reference Electrode Position	Fpz	Power Saving	Automatic shut off when not in use after 10 minutes
Channel Electrodes Positions	Fp1, Fp2, T3, T4	Dimensions	17.9cm (L) x 15.1cm (W) x 3.1cm (H)
Sampling Rate	250 samples per second		Elastic head strap: 8.5 – 14.3cm (Children) 14.0 – 25.3cm (Adult)
EEG Resolution	24 bits, 0.02235 $\mu$ V	Weight	SenzeBand 2 (Battery included): 88g
Input Range (Input Referred)	$\pm 187.5mV_{pp}$	Patented Design	Stylish, yet designed with high quality comfort. Made with quality materials to ensure the best experience Module: Polycarbonate + ABS Inner band: Silicone rubber with embedded gold-plated electrodes
Impedance Measurement	Real-time sensors contact check	Charging Port	Type-C USB
PPG Sensors		Communication	
Measurement	IR and Red	Connectivity	Bluetooth 5.0
Measuring Range	Heart rate: 0 – 255bpm SpO2: 0% – 100%	Device Compatibility	Bluetooth 5.0 with iOS 13.0 or above, Android 8.0 or above, and Windows 10 or above
PPG Sampling	25 Hz	Others	
Motion Sensor		LED Activity Indicator	Customizable visually represents mental states, among others
Accelerometer	3-axis $\pm 2g$	Mental Performance	Ability to measure and track attention, mental workload, relaxation and other mental states
Head Motion (Gyroscope + Magnetometer)	Output as Euler angles, -180° to 180°	Extensibility	Extensible to pair with various Neeuro applications or custom apps created using NeeuroOS
Directions	N, S, E, W, NE, NW, SE, SW		
Motion Sampling	100Hz		

# Contact

We take pride in our ability to change the lives of the people and create business opportunities. Partner with us today!

Scan this QR code to get in touch with us now!



This product is not a medical device and should not be used to diagnose or treat any medical condition.