

Neeuro

SenzeBand 2 Gold Edition



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



Interpret EEG Data

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



Motion Sensor

Accelerometer, gyroscope, and magnetometer



NeeuroOS

Seamless integration with NeeuroOS
Support 3rd party apps



Weight

88g

SenzeBand 2 Technical Specifications

About	
Product Name	SenzeBand 2
Model Number	SB-02
EEG Sensors	
Number of Channels	4
Number of Electrodes	7 proprietary gold-plated sensors : • 5 Forehead (2 EEG, 1 Reference, 2 Biases) • 2 Temporal lobe (2 EEG)
Reference Electrode Position	Fpz
Channel Electrodes Positions	Fp1, Fp2, T7/T9, T8/T10
Sampling Rate	250 samples per second
EEG Resolution	24 bits, 0.02235μV
Input Range (Input Referred)	± 187.5mVpp
Impedance Measurement	Real-time sensors contact check
PPG Sensors	
Measurement	IR and Red
Measuring Range	Heart rate: 0 – 255bpm SpO2: 0% – 100%
PPG Sampling	25 Hz
Motion Sensor	
Accelerometer	3-axis ±2g
Head Motion (Gyroscope + Magnetometer)	Output as Euler angles, -180° to 180°
Directions	N, S, E, W, NE, NW, SE, SW
Motion Sampling	100Hz

Electrical & Physical Characteristics	
Battery	3.7V, 320mAh Li-ion polymer rechargeable battery
Battery Life (Typical)	Up to 6 hours of continuous use
Battery Charge Time	Approximately 2 hours
Operating Voltage	3.3V DC, ±2.5V AC
Input Ratings	5V = 1A
Power Saving	Automatic shut off when not in use after 10 minutes
Dimensions	17.9cm (L) x 15.1cm (W) x 3.1cm (H)
	Elastic head strap: 8.5 – 14.3cm (Children) 14.0 – 25.3cm (Adult)
Weight	SenzeBand 2 (Battery included): 88g
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
Charging Port	Type-C USB
Communication	
Connectivity	Bluetooth 5.0
Device Compatibility	Bluetooth 5.0 with iOS 13.0 or above, Android 8.0 or above, and Windows 10 or above
Others	
LED Activity Indicator	Customizable visually represents mental states, among others
Mental Performance	Ability to measure and track attention, mental workload, relaxation and other mental states
Extensibility	Extensible to pair with various Neeuro applications or custom apps created using NeeuroOS

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.

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