



MORE PRECISION, MORE COMFORT

The NeuroStrip™ is designed to be the most wearable EMG device in the market. Its flexible, lightweight, wireless design allows it to be placed nearly anywhere on the body without inhibiting movement or restricting mobility. It uses state-of-the-art electronics to seamlessly send high-fidelity EMG readings to the user via the NeuroStrip™ Application.

USE CASES

- Physical Therapy and Rehabilitation
- Sports Performance
 - Movement Optimization
 - Muscle Fatigue
- Sports Rehabilitation
- Medical (Consumer and Non-Regulated) Virtual Monitoring and Care
- Clinical Research
- Military Applications
- Gaming



Contact us to learn how to use the NeuroStrip™ in rehabilitation, sport science, wearables, medicine, and more.

NEUROSTRIP@CONTROLBIONICS.COM

HARDWARE

DIMENSIONS	54mm x 32mm x 3mm height
WEIGHT	4 grams with electrode patch
BATTERY LIFE	4 Hours of continuous use
POWER MANAGEMENT POD	Charging station for easy charging, storage, and shipping
DATA	CMR: 100dB Common Mode Impedance: 5GΩ Differential Resistance: 10GΩ Internal Noise: .2μV RMS Bandwidth: .1Hz - 1000Hz programmable Data Resolution: .195μV RMS
SAMPLING	Continuous by special analog integrator hardware which is read by ARM-based processor.

CURRENT SOFTWARE

OPERATING SYSTEM	Windows®, MacOSX (Beta)
CONNECTIONS	Up to 4 NeuroStrips™ connected simultaneously
QUICK ACTIONS	Record, Pause, Restart, Notations
ADJUSTABLE GRAPH SETTINGS	Scale, Target Lines, Target Conditions, Audible Alerts, Line Visibility
ADJUSTABLE DISPLAY SETTINGS	Add / Remove Channels, Sweep Length, Enable Sounds, Collapsible Menus
VIDEO CAPTURE	Ability to simultaneously capture video during an EMG session
SAVE DATA	Easily save session data and review previous sessions with notations
AUTOMATION	Includes an ever-growing library of therapy protocols, designed to assist user with operant conditioning EMG therapies
SESSION REVIEW	Review previously recorded sessions at any time with downloadable PDF reports and data via CSV



ADVANCED AND DISCREET PHYSIOLOGICAL MONITORING

Using high fidelity sensors, the patent-pending NeuroStrip™ measures and records surface electromyography and telemetry data related to muscle movement, where it can be used for a plethora of applications such as rehabilitation, sports science, wearables and the medical industry.

The NeuroStrip™ weighs only 4 grams, is as easy to apply as an adhesive bandage and can be placed on almost any point on the body. The direct-to-skin electrodes provide unrivaled signal clarity that means it can detect signals before there is any visible movement associated with the muscle contraction.

The NeuroStrip™'s signal data is exceptionally clean and precise. NeuroStrip™'s advanced design rejects common-mode noise, maintains full-strength signals with high input resistance, and minimizes internal noise to detect even invisible muscle activity. High data resolution ensures smooth, detailed graphs, while robust interference rejection delivers reliable results — even in electrically noisy environments like gyms, clinics, and research labs.

Contact us to learn how to use the NeuroStrip™ in rehabilitation, sport science, wearables, medicine, and more.

NEUROSTRIP@CONTROLBIONICS.COM



CONTROLBIONICS.COM
(855) 831-7521



TELEMETRY

The NeuroStrip™ tracks EMG, EOG, EEG, ECG, and Spatial data, offering comprehensive insights into body function and performance.



WEARABILITY

The NeuroStrip™ weighs less than a sheet of paper and seamlessly conforms to the curvature of the monitored body part, ensuring comfort and ease of use.



CONNECTION

An innovative and non-invasive electrode interface allows you to access the body's "signal highway" with unparalleled signal fidelity, opening doors to new possibilities in understanding human physiology.



DATA ANALYSIS

Analyze data in the NeuroStrip™ Controller App to make informed decisions and simultaneously compare muscle activity across multiple NeuroStrips™ during events.



RESPOND IN REAL TIME

The NeuroStrip™ offers instant, live signal streaming for real-time data insights, enhancing monitoring and facilitating rapid improvements, particularly in sports science applications.



DISPOSABLE AND REUSEABLE

The NeuroStrip™ is available in both disposable and reusable formats, offering tailored solutions for diverse applications.