

Aether Biomedical

Product Catalogue

Version 3.0 - 2026.05.01



*For use by healthcare professionals only

 **AETHER**[®]
BIOMEDICAL

All ZEUS Hands

Strong. Fast. Built for every fit.



ZEUS S



ZEUS M

Wrist EQD



ZEUS S



ZEUS M

Wrist Flex

ZEUS S / M

Big Performance. Right fit.

Product Code: A02**X**-AFYB*

* X : L (Left) / R (Right)

A : S (Small) / M (Medium)

Y : 0 (EQD) / 1 (Flex)



Multiple Sizes

Available in **small (Zeus S)** and **medium (Zeus M)** sizes, Zeus hand expanding accessibility to a broader population.

Fast & Powerful Performance

Powered by new technology, Zeus allows users to execute and **transition between grip patterns faster** than ever, while maintaining the **full strength and reliability** the Zeus line is known for.

Various Wrist Options

All Zeus versions are available with **EQD wrist** for quick disconnect and **Flex wrist** for enhanced function.

Frictionless Repairs

Enhanced modularity makes maintenance and repairs easier than ever, **with 100% repairability in under 10 minutes**.

Touchscreen Compatible

Zeus hand index finger is **touchscreen friendly** allowing users effortlessly interact with phones and other touch-sensitive surfaces (i.e. elevator panels).

Personalized Approach

From a delicate pinch to a strong power grip, Zeus offers **14 predefined + 10 configurable grip patterns** that can be tuned to the patients' needs.

Robust yet Agile

A patent-pending **impact resistance** mechanism lets fingers flex on impact, while a **soft grip** ensures a gentle touch for handling fragile objects with confidence.



Technical Specification



Grip force

120N/ 26.97lbf



Closing time

0.8 sec



Force with closed hand
(static, carrying a bag)

200N/ 44.96lbf



Force on chassis (static,
supporting the hand)

500N/ 112.40lbf

Quick Access Buttons

Designed to give users greater control, functioning alongside EMG signal input. It enables users to switch to freeze mode with ease and also provides expanded control options, such as switching grips, offering a smoother and more intuitive user experience.



ZEUS S

Device weight:
480g / 1.05lbs



ZEUS S Flex

Device weight:
530g / 1.16lbs



78 mm / 3.07 in



Device weight:
503g / 1.10lbs

ZEUS M

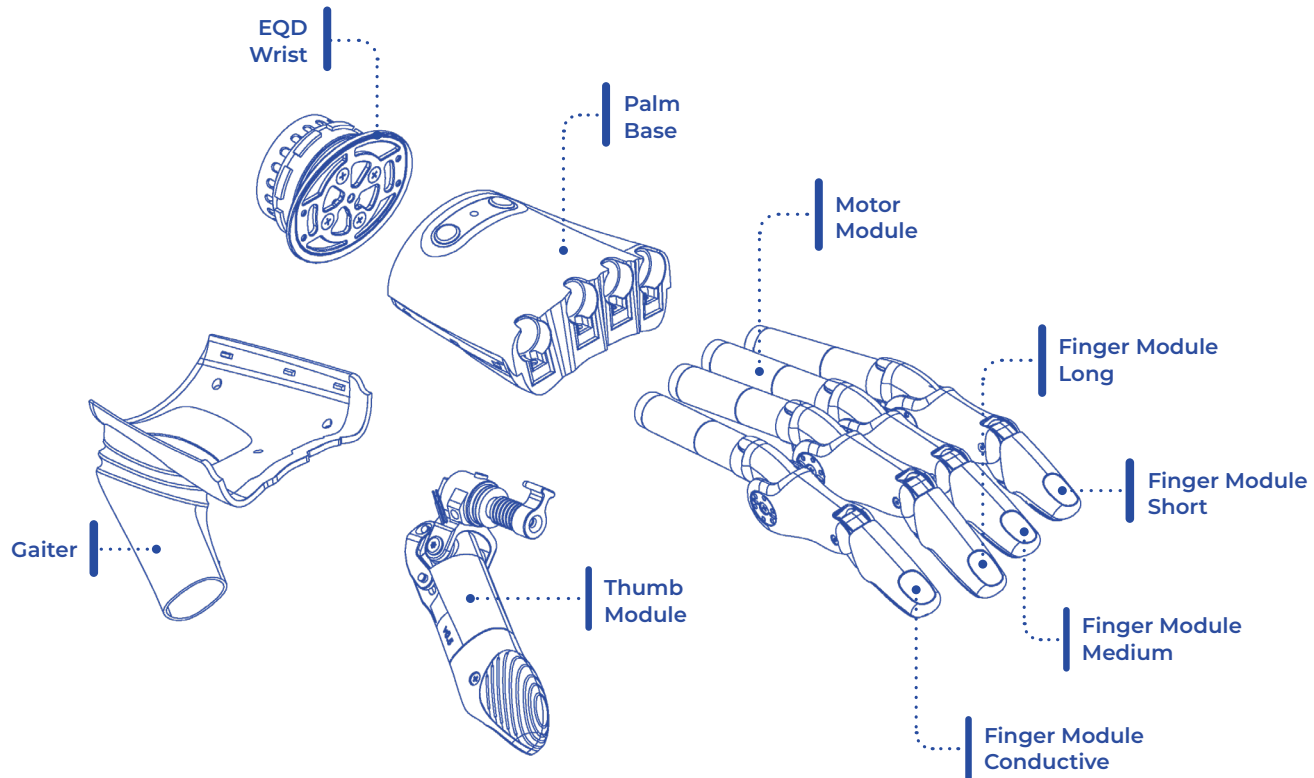
78 mm / 3.07 in



Device weight:
553g / 1.21lbs

ZEUS M Flex

Repairability



Zeus is built out of 9 modules

With its fully modular design, Zeus makes in-office repairs quick and simple - just swap the component and you're done. No need for loaner devices or lengthy service delays. In **under 10 minutes**, your patient is back to doing what matters.

Aether Digital Platform

Making Rehabilitation Data Driven



The Aether Digital Platform is revolutionary software that amplifies the capabilities of the Zeus hand by connecting it to the digital ecosystem.

The web platform, mobile app and Zeus hand are all connected to the cloud and mesh with each other to ensure the best outcome-driven care for patients. The major benefits that the platform provides are:

Traceability

The web platform provides full visibility into a patient's device configuration history. Clinicians can quickly access past settings and thresholds in real-time—eliminating guesswork about which parameters were most effective.

Connectivity

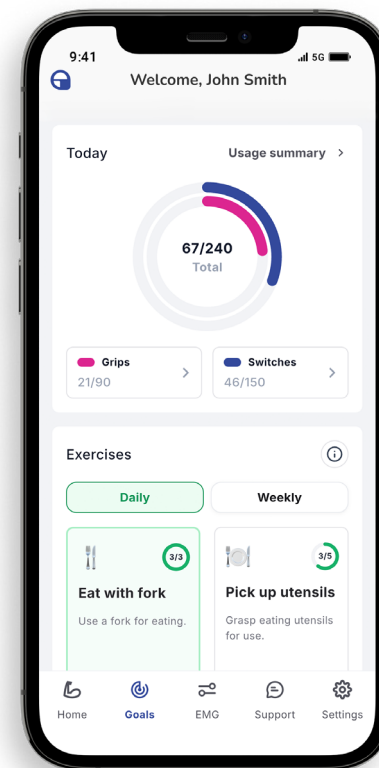
The platform enables clinicians to communicate directly with patients on the go and send them new configurations to enhance the operation of the Zeus hand. No need to set up an appointment just to make a little change.

Remote Configurability

Clinicians can set up video meetings, see EMG signals and make configuration changes in real-time, all 100% remotely - physical locations no longer matter.

Data Efficiency

Our platform supports clinicians in making data-driven decisions by tracking numerous metrics such as grip cycles, EMG peaks, and grip switches among others. Delivering outcome-driven care has never been easier.



Aether MyoSense

Innovation in Every Signal

Product Code: AET-SEN-2NM



Redefining the User Experience Aether MyoSense is a high-performance, dual-channel EMG acquisition system designed to bridge the gap between human intent and prosthesis performance. By capturing physiological muscle signals with clinical precision, it enables users to achieve fluid, intuitive and precise control over their upper-limb bionic devices.

Dual-Channel Versatility

Independent measurement channels translate skeletal muscle activity into two distinct control signals, allowing for seamless generation of opening and closing signals.

Universal Integration

Engineered for versatility, MyoSense is fully compatible with Aether Biomedical products and third-party prosthetic elbows and rotators using industry-standard 3-pin connectors (0V to 5V).

Smart Safety Deactivation

For enhanced user confidence, the system features automatic output deactivation upon detecting a "No-contact" state, preventing unintentional movement when the prosthesis is doffed.

Enhanced Signal Integrity

Cutting edge hardware and signal filtering for reducing electromagnetic interference (EMI) and motion artifacts, with adjustable smoothing to counteract control signal spikes while maintaining low latency.

Life-Proof Reliability

Encased in an ultra-compact, IP67-rated housing, the MyoSense is built to withstand water, dust, and the rigors of daily life in both clinical and residential environments.

Aether Digital Platform (ADP) Integration

Unlock full customization via Bluetooth (BLE). Clinicians can monitor signals in real-time and remotely tune device parameters to match the unique physiological profile of every patient.

Personalized Control Dynamics

Digitally adjustable gain and adaptive signal smoothing allow clinicians to eliminate noise and tremors, providing a stable control signal with industry-leading low latency.



Clinical Excellence

Real-Time Skin Contact Monitoring

Real-time skin-contact diagnostics provide clinicians with instant feedback during fitting, ensuring ideal electrode placement and consistent signal reliability.

Versatile Indications

Optimized for patients aged 14–75 with below-elbow, above-elbow, or shoulder/wrist disarticulations, as well as congenital deficiencies.

Standard-Setting Quality

Fully compliant with Medical Device Regulation (EU) 2017/745 (MDR) and IEC 60601-1 series standards for medical and home-use safety.

Technical Specification

Technology	Differential Surface EMG
Channels	2 Independent Channels
Sensitivity Range	Adjustable via configuration
Dimensions	20.3 mm x 30.3 mm x 10.3 mm
Compatibility	Standard 2-pin / 3-pin interface
Electrode Leads Length	25 cm

Aether Battery System

Seamless integration and real-time monitoring

Product Code: AET-BAT-BS1



The Aether Battery System is designed to power the Zeus portfolio of bionic hands, delivering reliable performance throughout the day. With a simple setup that includes a rechargeable battery, charging port, and connector, it's ready to use right away.

Reliable Power Supply

The Aether Battery System provides consistent and dependable power to the Zeus prosthetic hand, ensuring users can rely on it for everyday activities.

Long-Lasting Battery Capacity

With a high-capacity 2800mAh battery, users enjoy extended usage without having to stop and recharge.

User Friendly Features

Clear LED indicators allow users to easily monitor the battery level, helping them plan for recharging with confidence.

Seamless Charging

The system integrates an easy-to-use USB-C charging port, allowing for convenient charging through the prosthetic socket without the need for additional equipment.

Safe and Efficient Operations

The system's built-in safety features protect against overheating and overcharging, ensuring safe power management throughout the day.

Easy Setup

Simple setup and integration with the prosthetic socket, making it a seamless addition to the Zeus portfolio.



Technical Specification



AET-CHR Battery Charging Port
Dimensions: 45 x 10 x 20mm
Weight: 11gr



AET-CON Connector Board
Dimensions: 30 x 12 x 20mm
Weight: 4gr



AET-BAT Two Cells
Dimensions: 65 x 22mm each cell
Connected with a 110mm cable
Weight: 102gr



www.aetherbiomedical.com

Europe - +48 780011548

North America - +1 4708238221

Asia Pacific - +91 9650488846

Email - info@aetherbiomedical.com

