



# ELEIKO BAR SENSOR KIT

The Enode Sensor is a lightweight, 16-gram device for Velocity Based Training, delivering lab-grade precision in a compact, wireless design. It uses advanced inertial sensors validated against 3D motion capture to track movement accurately. Integrated magnets and straps allow quick attachment to barbells, plates, machines, or dumbbells. The sensor provides real-time feedback on velocity, power, and bar path. Athletes can quantify effort and autoregulate loads for every exercise. Its versatile design works across all training modalities. The Enode Sensor makes every workout data-driven, efficient, and optimized for strength development.

INCLUDES STRAP FOR  
DUMBBELLS AND BODYWEIGHT

WIRELESS BLUETOOTH SYNCING  
FOR INSTANT ANALYSIS

TRACK VELOCITY, POWER,  
FORCE, AND PATH

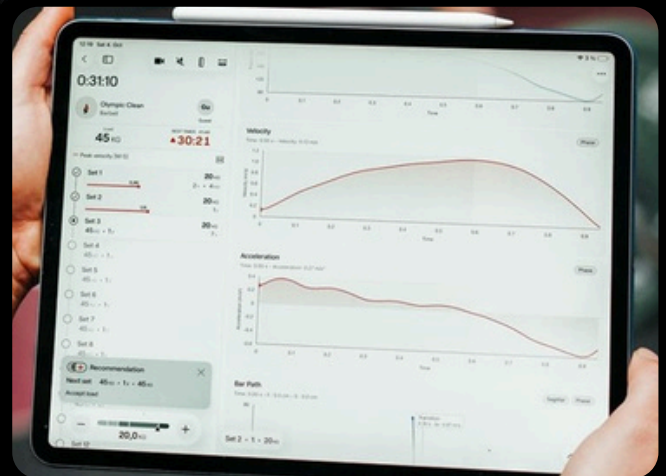
TWELVE HOURS PERFORMANCE  
PER SINGLE CHARGE

LAB-GRADE ACCURACY VALIDATED  
AGAINST MOTION CAPTURE

AUTO-START AND STANDBY  
TO SAVE POWER

ULTRA-LIGHTWEIGHT 16G  
DESIGN FITS ANY EQUIPMENT

INSTANT REAL-TIME FEEDBACK  
AFTER EVERY REPETITION



- Enode is your weight-room navigator, turning movement data into clear, goal-based training recommendations
- More than VBT, track 11 base metrics + barbell path. You can measure Jumps including RSI, and RoM.

# Technical Specifications



## Dimensions

44 x 27 x 13 mm  
(smallest on market)



## Weight

16 to 19 g per sensor



## Sensor Tech

6-axis IMU



## Battery Life

12 to 16 hours of active use; 100+ days standby



## Connectivity

Bluetooth LE with 15 m wireless range



## Accuracy

Lab-grade validation ( $\pm$  0.95 vs Vicon)



## Mounting

Built-in magnets & strap for all tools



## Sampling Rate

1000Hz internal data processing



## Automation

Auto-start and standby to save power



## Measuring Range

Captures velocity  $\pm$  0.15 m/s



## Compatibility

Works with iOS, Android & Apple Watch



## Durability

Impact-resistant casing for gym use



We are a complete solution provider for all your Sport Science, Biomechanics, SnC, Physiology, Data Management, Data Analysis, & High Performance Management needs. We are your partners in excellence!

## Get in Touch...!

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