

ELEIKO BAR SENSOR KIT

The Eleiko Bar Sensor is an advanced velocity-based training device designed for elite strength conditioning, rehabilitation, and athletic performance optimization. Featuring a patented sleeve and endcap system, the sensor integrates seamlessly into Eleiko bars for a secure, discreet installation that protects hardware during heavy drops. It captures precise, real-time kinematics—including peak velocity, force, and bar path under flex—turning every single lift into actionable data. By connecting directly to the Enode ecosystem, the system unlocks advanced analytics and proprietary AI-powered programming. This enables highly accurate load profiling, fatigue monitoring, and data-driven progress, making high-performance strength training scalable from individual lifters to full teams.

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**

210 mm × 175 mm × 74 mm

**Weight**

0.7 kg total unit weight

**Sensor Tech**

6-axis IMU

**Battery Life**

12–16 hrs active; 100+ days standby

**Connectivity**

Bluetooth LE, 15 m range

**Accuracy**

Lab-grade (≥ 0.95 vs Vicon)

**Mounting**

Built-in magnets & strap

**Sampling Rate**

1000 Hz internal processing

**Automation**

Auto-start & standby to save power

**Measuring Range**

>0.15 m/s velocity capture

**Compatibility**

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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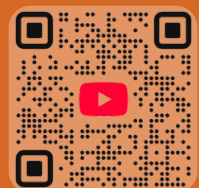
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