

ENODE SENSOR

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.

TRACKS VELOCITY, POWER,
FORCE, AND PATH

12 HOURS PERFORMANCE
ON A SINGLE CHARGE

ULTRA-LIGHTWEIGHT 16G
DESIGN FITS ANY EQUIPMENT

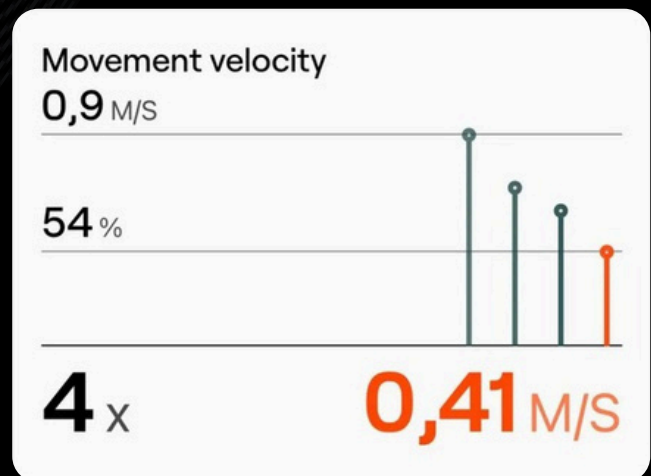
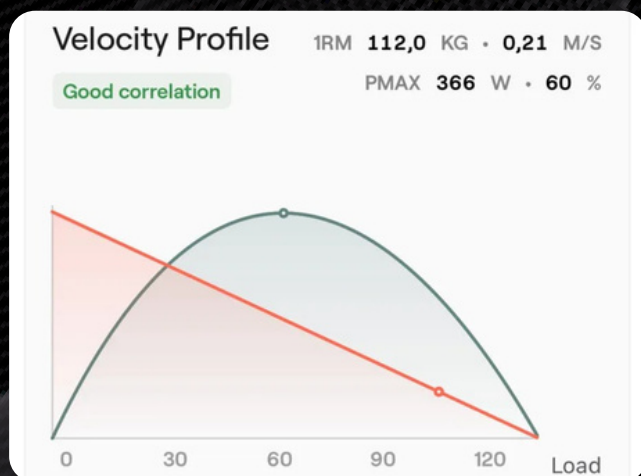
LAB-GRADE ACCURACY VALIDATED
AGAINST MOTION CAPTURE

WIRELESS BLUETOOTH SYNCING
FOR INSTANT ANALYSIS

INCLUDES STRAP FOR
DUMBBELLS & BODYWEIGHT

AUTO-START AND STANDBY
TO SAVE POWER

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 × 27 × 13 mm
(smallest on market)



Weight

16 g ultra-lightweight
design



Sensor Tech

6-axis IMU
(Accelerometer + Gyro)



Battery Life

12+ hours continuous
use (rechargeable)



Connectivity

Bluetooth LE with 15 m
wireless range



Accuracy

Lab-grade validation ($\geq$
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 $\geq$ 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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✉ sales@medevice.co

☎ +91 94056 60000 / +91 75881 34567

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