



K-POWER

IMU/UWB HYBRID SENSOR

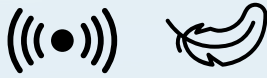
REDEFINING PERFORMANCE MEASUREMENT WITH CONTINUOUS TIME ANALYSIS

K-Power is an innovative hybrid sensor that combines IMU (Inertial Measurement Unit) and UWB (Ultra-Wideband) technology to deliver wireless and highly precise measurements of speed, distance, acceleration, and power in sports and rehabilitation settings.



MEASURE
MOVE
PROGRESS

KEY FEATURES



01 Wireless & Lightweight

No cables, no hassle
K-Power is ultra-light and fully wireless, giving athletes complete freedom of movement in any environment.



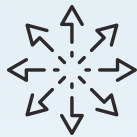
02 Indoor & Outdoor Use

Train anywhere
K-Power works seamlessly outdoors and indoors, even in limited spaces like gyms or sports halls.



03 High-Precision Tracking

Powered by UWB technology, K-Power offers ultra-precise tracking with minimal drift—delivering lab-level accuracy in real-world conditions.



04 Versatile Applications

From strength and conditioning to rehab and high-performance sport, K-Power adapts to a wide range of needs and disciplines.



05 Real-Time Feedback

Get instant data on speed, power, and explosiveness—helping coaches and athletes make smarter, faster training decisions on the spot.

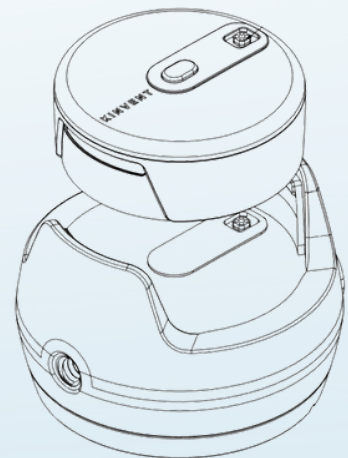


06 Advanced Technology

Combines high-precision IMU sensors with Kinvent's low-latency wireless tech and AI-powered Cassandra for real-time, actionable insights.

COMPETITIVE ADVANTAGE

- Comprehensive movement analysis - horizontal and vertical
- Works in indoor / outdoor facilities without signal loss
- Faster setup than traditional encoders, with no wires restricting movement
- Optimized for sports professionals & physiotherapists, providing detailed movement insights



TECHNICAL CHARACTERISTICS

DIMENSIONS

- **Dimensions:** Dock: Diameter 2.52 × 1.69 in - Tracker: Diameter 1.93 × 0.79 in

WEIGHT

- **Weight:** Dock: 4.23 oz - Tracker : 1.06 oz

WIRELESS RANGE

- Up to 40 yards
- **Max Accelerations** +-16g
- **Static Accuracy** 2°- Dynamic accuracy (head., pitch, roll) 7°, 2°, 2°
- **Acquisition frequency** 800 Hz
- **Eco features** - Self-activated "sleep" mode after 10 minutes.
- **UWB frequency** 100Hz - UWB static accuracy <3.94 in

INSTRUCTIONS FOR USE



[download here](#)

ACCESSORY

- . Included with K-Power: straps x 3 different sizes
- . Not included: specific tripod

EXPERT ADVICE

"K-Power: where every milliseconds counts."

The Power of Time with K-Power

The K-Power sensor introduces a major breakthrough in biomechanics: real-time measurement of speed, RFD, and power—not just movement, but how fast and efficiently it happens.

Unlike traditional tools that only capture snapshots, K-Power delivers continuous, time-based data, giving coaches and therapists deeper insight into athletic performance and rehab progress.

With lab-level precision, wireless freedom, and integration with Cassandra AI, it's a powerful, field-ready tool for unlocking true potential."



Christos