

KineJump

Measuring power and endurance made easy!

- Measures explosive power through jump height
 - Measures endurance through repeated jumps
 - Instant overview – individual/team status & progress
 - Fast and easy to perform a measurement
 - Evaluate “fit-for-fight” in sports
- A portable digital movement analysis solution
 - Windows based software - easy to use
 - Small and portable – sensor fits in a pocket
 - A good tool to quantify movement
 - Easy laptop/desktop installation



Product description

Measuring jumping parameters made so easy!

It is important in many sports, research, and rehabilitation to measure explosive power in the legs.

The “Vertical Jump” is the easy way to do this and it has been shown in several studies that jump height has a strong correlation to performance in the 60 meter sprint and to the amount of fast twitch muscle fibres in individuals.

The rate of force production is the ability of the neuro muscular system to activate a large number of motor units in as short a time as possible. This can be measured with the “Squat Jump”.

Power is generated by the work of the motor units, but it is also the ability of the body to use its elastic force in the non-contractile components of the system. The elastic force is created by the stretch-shortening cycle and this can be measured with the “Counter Movement Jump”.

It is of interest to everyone to measure a subjects/clients physical status, and it is very convenient to do this with repeated jumps in the “Endurance Jump Mode” where the output is simply measured by the power the individual can produce over a given time.

An extra feature is that you can easily measure jump height in one leg jumps which can be very useful to measure the possible functional difference between the subjects/clients sides. It is also a great tool to evaluate athletes before they return to competition after injury.

In fact, all jump measurements are very easy with KineJump - only one sensor on the Pelvic area and you are ready to go! No time is wasted in time consuming and complex preparation!

In KineJump you see technology at its best - so much gained with so little effort!



KineJump

www.kine.is

Some Features & Benefits

- Additional measurement dimensions
- Add other Kine solutions for comprehensive measurement and analysis functionality
- Measure acceleration for added insight
- Measure anaerobic endurance, leg explosive power, elastic force and more
- Low cost solution for high benefits

Applications

- Health Science
- Sports Science
- Clinical work
- Physiotherapy
- Osteopathy
- Chiropractic's
- Sport Training
- Sport Coaching

Specifications

- Runs on 32 or 64 bit Windows (Win 7 8 & 10)
- Uses one USB 2.0 port
- Measures jump height in cm
- Estimates endurance power in watts
- Automatic statistics calculations
- Output format: Results shown in graph or table form
- Output type: Print or copy of data
- Jump types: Both legs, right or left leg jumps
- Copies graphs and pastes them into other applications
- Stores group and subject information along with jumps
- Measurement range: +/-6g
- Sampling frequency: 640Hz
- Great accuracy compared to other common methods