



KFORCE Product Line

K-FORCE is the product line for the assessment of the human force through precise dynamometry instruments. The new product line of K-FORCE is the complete tool for the evaluation of human forces. It consists of 3 products, all of them equipped with high precision measuring systems and the KINVENT's excellence in both mechanics and electronics.

-  **GRIP** for the assessment of grip strength
-  **MUSCLE controller** KINVENT's muscular dynamometer
-  **PLATES** for the lower limb strength and balance assessment



All devices are connected to the K-FORCE app, available on  Google play .

For any information or assistance, please contact :



www.k-invent.com

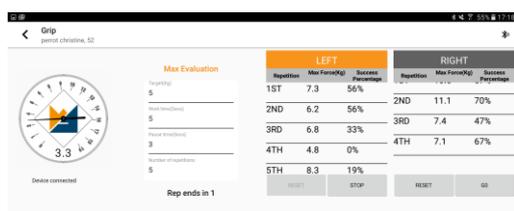
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WE MEASURE PROGRESS

KFORCE GRIP

K-FORCE Grip is used for the evaluation of hand grip strength. You can assess maximum isometric strength as well as fatigue. Grip strength is very important in sports and in rehabilitation for grabbing, lifting and throwing and should be assessed often after hand trauma or surgery. The device has an ergonomic elliptic shape for a better grabbing with an external diameter from 40 to 45 mm and can record grip strength up to 70 kg.



Benefits

GRIP is equipped with Electronic Force Transducers and gives you real-time biofeedback on your Tablette or Smartphone through the K-FORCE app. Therefore, you can set strength objectives to your patient and motivate him

through the process of rehabilitation. You will, then, follow-up your patient's progress through the K-FORCE interactive database.

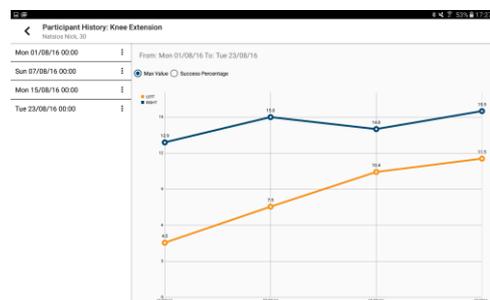
GRIP is small, lightweight and, therefore, mobile and can be used also by ambulant professionals, such as Physiotherapists or Personal Trainers.

Technical Features

Minimum Requirements	Android 5.0+, Bluetooth Low Energy
Weight	200 grams
Dimensions	45 x 55 x 160 mm
Wireless Range	Up to 20 meters
Max Force	70 kgs
Battery	1h30m of autonomy, 15 min of charging

K-FORCE Muscle Controller is perfect for a rapid evaluation of your patient's or athlete's muscular force. It is an easy - to - use portable muscular dynamometer. You can use it in your cabinet, clinic or even at your patient's home.

The device has an ergonomic shape with adjustable straps for a better hand fixation, and a cushion that can be removed and disinfected. K-FORCE Muscle Controller can also be fixed on hard surfaces such as the wall in order to use it as a contact pressure dynamometer. The device has a contact surface of 100 x 140 mm and can record contact forces up to 70 kg.



Benefits

 is equipped with Electronic Force Transducers and gives real-time acoustic and optic Bio-Feedback on your Smartphone or Tablet through the K-FORCE app. Through its Target oriented exercises you can set objectives to your patient and encourage him to surpass himself. The app saves your participant's results. You can then follow-up his progress on Maximal Force, Endurance and muscular Symmetry on the app's database.

 is small, lightweight and, therefore, mobile and can also be used by ambulant professionals, such as Physiotherapists or Personal Trainers.

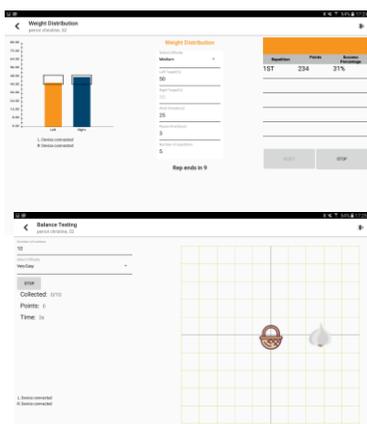
Technical Features

Minimum Requirements	Android 5.0+, Bluetooth Low Energy
Weight	300 grams
Dimensions	60 x 100 x 140 mm
Wireless Range	Up to 20 meters
Max Force	70 kgs
Battery	1h30m of autonomy, 15 min of charging

KFORCE PLATES

K-FORCE Plates is an innovative product for the rehabilitation of balance as well as the assessment of lower limb muscular symmetry and strength. K-FORCE Plates is easy to install and to connect.

The K-FORCE app's protocols will evaluate important balance and lower limb strength factors such as: left and right lower limb loading, balance proprioception, center of Pressure Control and Behavior, Max Strength and symmetry. Each plate has a surface of 320 x 160 mm and can record forces up to 150 kg (300 kg for the pair).



Benefits

PLATES is equipped with Electronic Force Transducers and gives real-time acoustic and optic Bio-Feedback on your Smartphone or Tablet through the K-FORCE app. This product benefits of today's tendency on Internet of Things and Rehab-Gaming.

PLATES turns rehabilitation into a game, while giving important metrics to the doctor or trainer. It will also evaluate the progress in lower limb strength as well as symmetry through its intuitive app.

PLATES is lightweight and, therefore, mobile and can be used also by ambulant professionals, such as Physiotherapists or Personal Trainers.

Technical Features

Minimum Requirements	Android 5.0+, Bluetooth Low Energy
Weight	1600 grams
Dimensions	Each Plate 30 x 320 x 160 mm
Wireless Range	Up to 20 meters
Max Force	150 kgs for one plate, 300 kgs both
Battery	5 hours of autonomy, 45 min of charging

