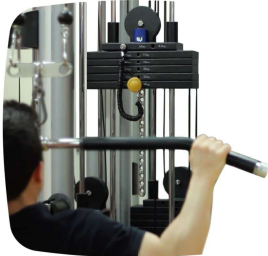


## **Wiva® SCIENCE + PROTOCOL POWER (eccentric & concentric Force and movement speed)**



The WIVA POWER system uses an inertial sensor connected via Bluetooth to a computer and allows to determine both eccentric and concentric force during a training on BIOMECH® STUDIO Program.

Wiva® allows the physiotherapist and/or rehabilitator to use objective data to monitor the progress of recovery and ensure the effectiveness of the rehabilitation program / performance improvement by allowing the patient throughout the rehabilitation process to evaluate his physical state.

You can measure the strength and power and quantify the deficit between the injured limb and the healthy limb both on normal machines with overload (iso-inertial evaluation with Power Protocol) or control the intensity of the exercise with visual BIO-FEEDBACK in real time by means of a threshold of work settable at the user's choice (Power Feedback).

Wiva® Protocol Power provides the measurement of muscle power in real time. From the direct measurement of the force impressed on the load during a weight lifting exercise, it determines the speed with which the load is moved and, consequently, the power delivered by the muscle group involved in the exercise.

The purposes of the Power module are:

- real-time feedback on muscle power
- power-load and force-speed curves
- training and recovery optimization
- Results returned:
  - Muscle power (W / kg)
  - Muscle strength (N / kg)
  - Average speed (m / s)
  - Maximum and optimal load (kg)

Available in the APP version for smartphones / tablets soon.