

# LACHMETER®

## THE LIGHT AND EASY-TO-USE DIGITAL ARTHROMETER.

ASSESS ACL INJURIES MORE ACCURATELY



Lachmeter is the digital evolution of the Rolimeter (Aircast), a device that has already proved to be comparable to KT-1000 / KT-2000 (MEDmetric Corp), according to the scientific references below. It's a lightweight, portable, accurate, and easy-to-use arthrometer.

Very useful for pre and post-operative evaluations. Decisive in cases where there is doubt between partial or total lesions of the Anterior Cruciate Ligament. For Orthopedic Surgeons, Physical Therapists, and Sports Medicine Specialists.

### How it should be used



01

Place the cushion behind the thigh



02

Place the device on the knee



03

Make sure the hamstrings muscles are relaxed



04

Support the stem on the leg and reset the device



05

Pull the leg up to its maximum limit, as you would do in the Lachman test



06

Write down the value and repeat it three times on the same knee



07

Then, compare it with the other side

### Assessment

up to  
**3mm**  
no ACL injury

between  
**3 and 4mm**  
partial ACL injury\*

greater than  
**4mm**  
complete injury

Assessment of laxity | Side-to-side difference

## Functions

### Evaluate:

- If there is anterior cruciate ligament injury / tear
- Post-operative (effectiveness of surgery). Up to 3 months after ACL reconstruction
- Functional assessments (pre-injury) by Physical Therapists. Ideal for post-injury evaluations.

## To be more accurate, you don't need heavy equipments.



### LIGHTER THAN THE OTHERS

Made of stainless steel to ensure lightness and therefore be easy to carry and handle.



### MORE ACCURATE

Uses a high precision digital measurement so you can be more accurate with your results.



### TARGET

Healthcare professionals, such as Orthopedic Surgeons, Physical Therapists, and Sports Medicine Specialists, who seek more precise Outcomes.



### ACCESSORIES

It comes with a cushion to be placed behind the thigh, which facilitates the Lachmeter's use.



### DIGITAL

Comes with digital equipment that doesn't need to be calibrated



### TRUSTWORTHY

Made by and for Orthopedic Surgeons and Sports Medicine Specialists. You can get more accurate results on your pre and post-operative cases.

## SCIENTIFIC REFERENCES

1. Ganko A1, Engebretsen L, Ozer H. The rolimeter: a new arthrometer compared with the KT-1000. *Knee Surg Sports Traumatol Arthrosc.* 2000;8(1):36-9.
2. Balasch H1, Schiller M, Friebel H, Hoffmann F. Evaluation of anterior knee joint instability with the Rolimeter. A test in comparison with manual assessment and measuring with the KT-1000 arthrometer. *Knee Surg Sports Traumatol Arthrosc.* 1999;7(4):204-8.
3. Papandreou MG1, Antonogiannakis E, Karabalis C, Karliaftis K. Inter-rater reliability of Rolimeter measurements between anterior cruciate ligament injured and normal contra lateral knees. *Knee Surg Sports Traumatol Arthrosc.* 2005 Oct;13(7):592-7. Epub 2005 Jan 11.
4. Sonnery-Cottet B1, Thauvat M2, Freychet B2, Pupim BH2, Murphy CG2, Claes S3. Outcome of a Combined Anterior Cruciate Ligament and Anterolateral Ligament Reconstruction Technique With a Minimum 2-Year Follow-up. *Am J Sports Med.* 2015 Jul;43(7):1598-605. doi:10.1177/0363546515571571. Epub 2015 Mar 4.

See more scientific references at: [www.newarthrometer.com](http://www.newarthrometer.com)



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