# COMPARE

## SEARCH BOX

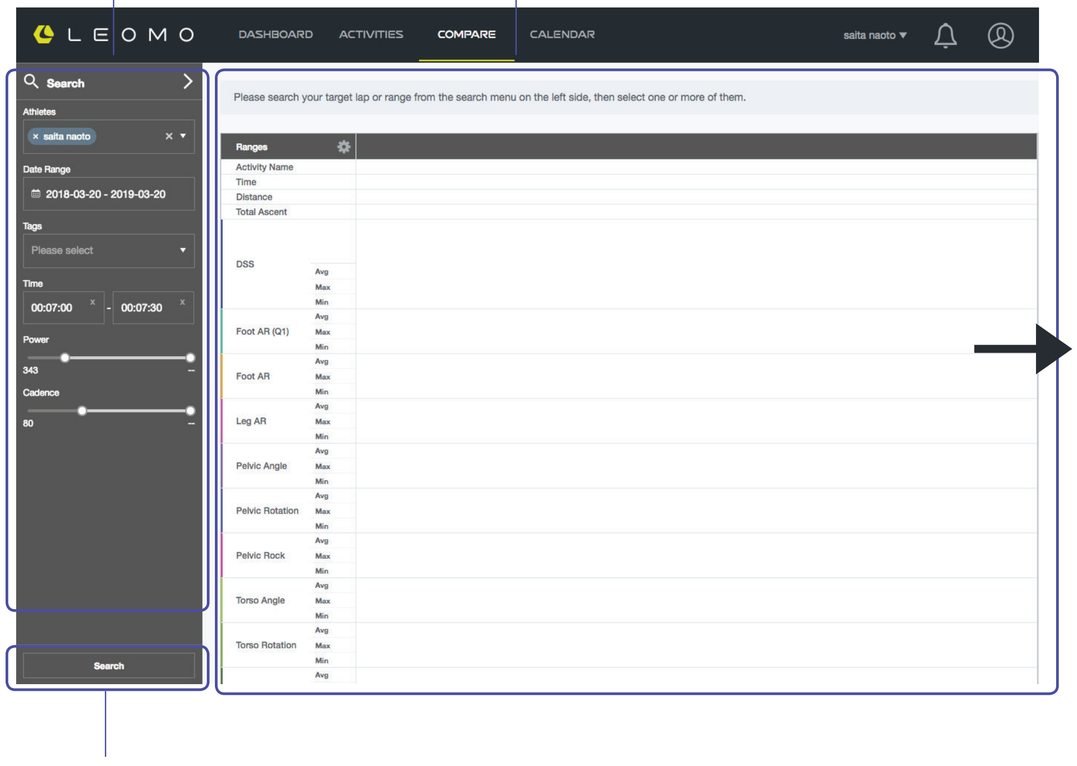
Narrow down the Activity Range.

## COMPARE AREA

This is where you actually compare data.

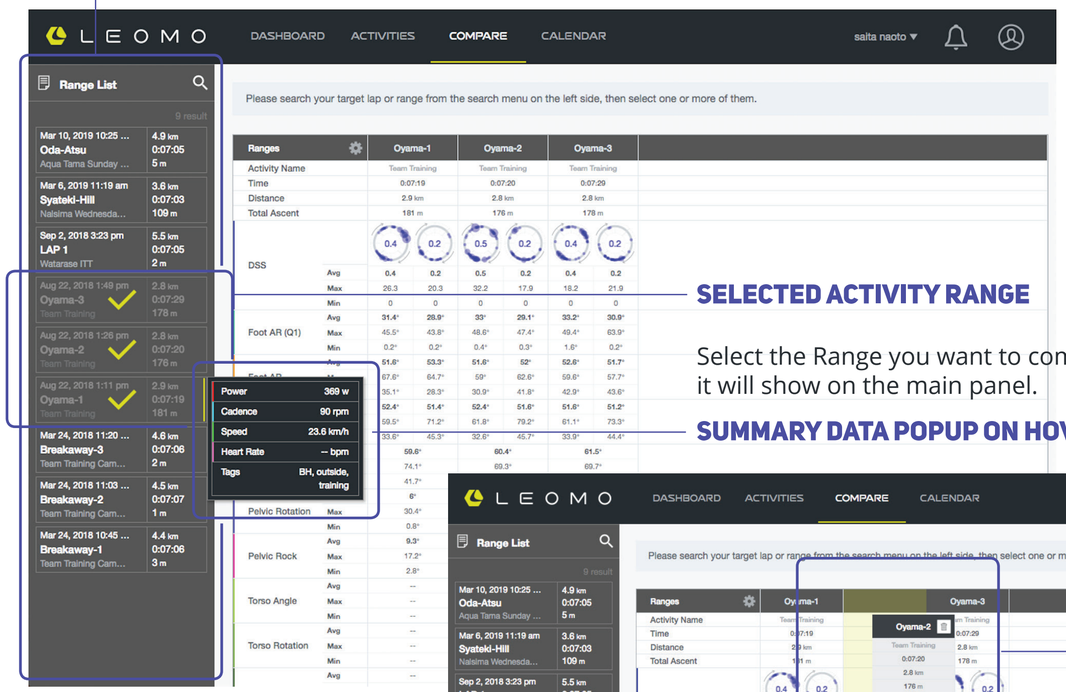
## RESULT LIST

When the search button is pressed, the result will show here.
Select the Range to compare.




## SEARCH BUTTON

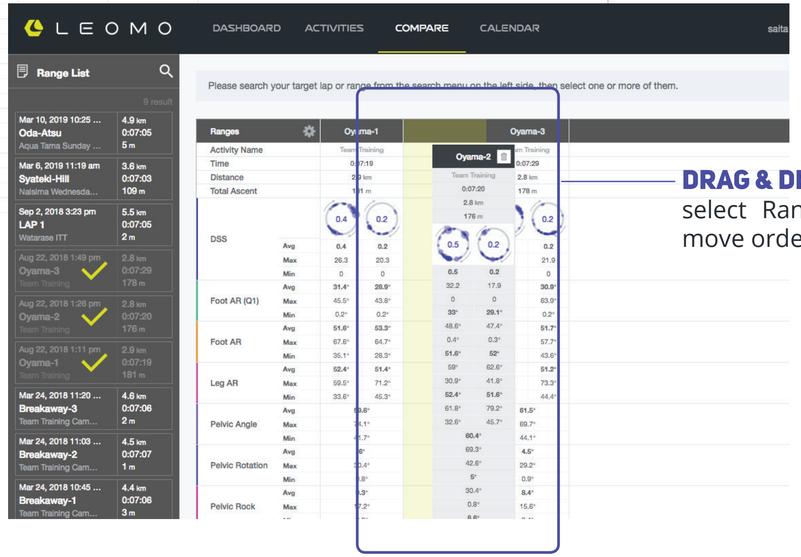
Hit it to see result.




## SELECTED ACTIVITY RANGE

Select the Range you want to compare and it will show on the main panel.

## SUMMARY DATA POPUP ON HOVER STATE



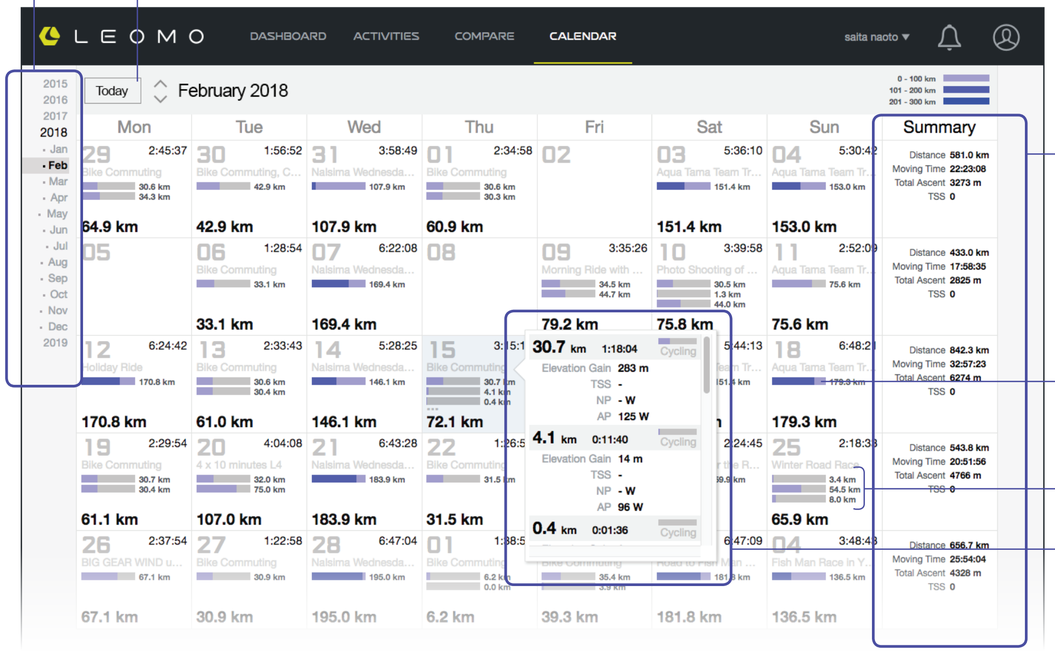

## DRAG & DROP

select Range and move order.

# CALENDAR

SELECT MONTH/YEAR

A BUTTON THAT DIRECT TO "TODAY"

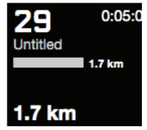



WEEKLY SUMMARY

ACTIVITY DISTANCE BY OVERLAP

DISTANCE BY ACTIVITY

POPUP ON HOVER STATE




## CURRENT DAY (TODAY)

Current day which is available to come directly from Today button on top left is shown on black.

Display activity summary of the day at glance.
By clicking each, you can jump to the link and see details.

## WHY MOTION?

***ENDURANCE. POWER. TECHNIQUE.***

When these three core skills come together, riders have the key ingredients to reach their maximum performance potential. Though endurance and power are universally used as the basis for cycling training, technique has been a challenging element to measure. Skills such as pedaling, positioning, breathing, muscle de-tension, cornering, and sprinting are all qualitative cycling elements.

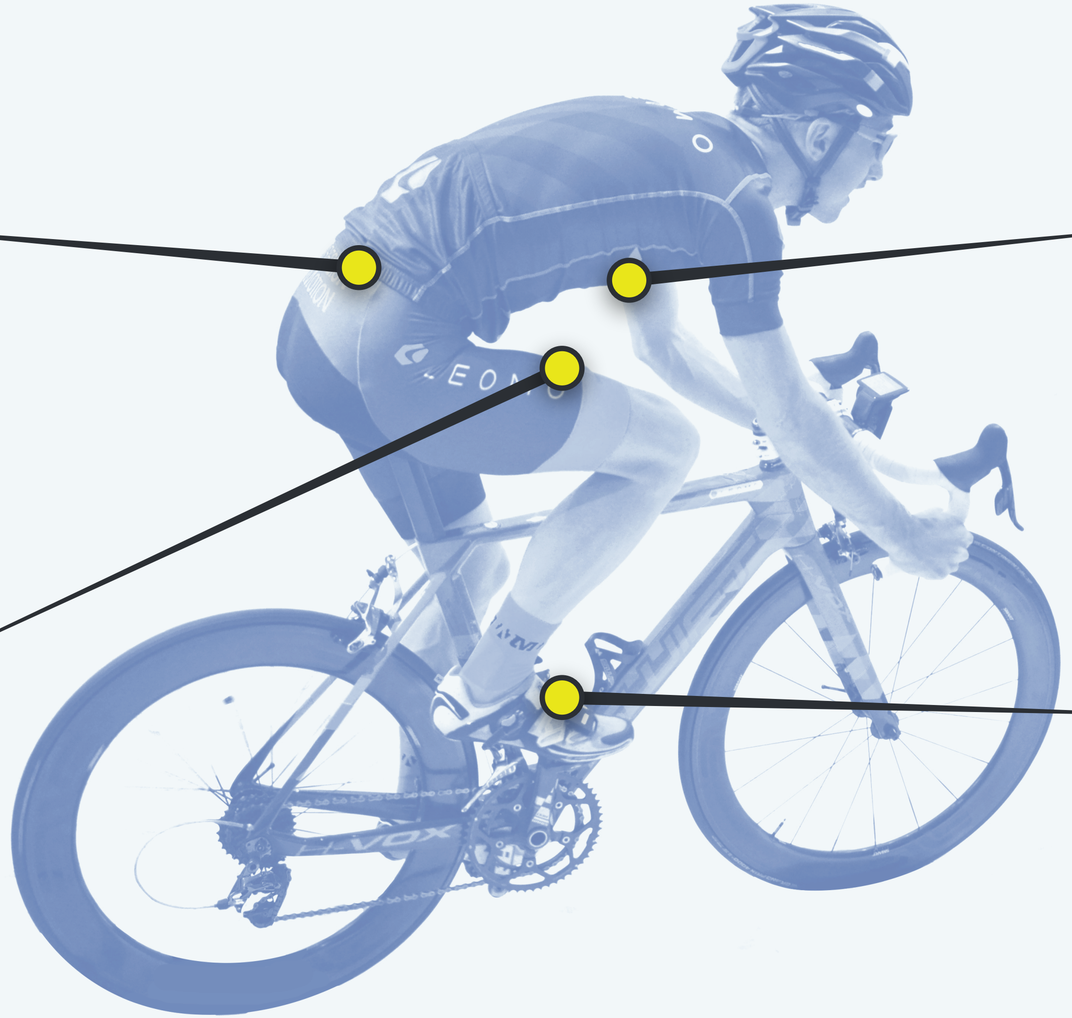
Thankfully, coaches know good pedaling skills and form when they witness it. With the TYPE-S's Motion Performance Indicators, or MPIs, coaches will now have actual values to validate their observations. MPIs give an edge to their assessments by making them more precise, more communicable, and more trackable. MPIs measure various motions related to cycling, and using them, coaches and athletes can:

- Perform a deep analysis of movement versus power, cadence, and fatigue.
- Establish baselines for various physical conditions and situations.
- Discover clues to improving both fitness and technique.

Since everyone's bodies and riding environments are different, each person has their own baseline values, similar to FTP. LEOMO is working with world-class coaches and research centers to continue to improve and expand MPIs to help coaches zero in on the analysis of technique.

# MOTION PERFORMANCE INDICATORS

The TYPE-S comes with five LEOMO Motion Sensors and records several types of Motion Performance Indicators (MPIs).



### PELVIC

1. PELVIC ANGLE
2. PELVIC ROTATION
3. PELVIC ROCK

### TORSO

1. TORSO ANGLE
2. TORSO ROTATION
3. TORSO ROCK

### RIGHT & LEFT LEG

1. LEG ANGULAR RANGE

### RIGHT & LEFT FOOT

1. DEAD SPOT SCORE
2. FOOT ANGULAR RANGE
3. FOOT ANGULAR RANGE (Q1)

# DEAD SPOT SCORE (DSS)

## SUMMARY

Dead Spot Scores (DSS) pinpoint the magnitude and locations where **pedaling velocities lack smoothness along the left and right pedaling cycle**.

- Lack of smoothness is a secondary symptom of sub-optimal pedaling motions.

- Looking at the right and left DSS values provides insight to left/right movement imbalances.

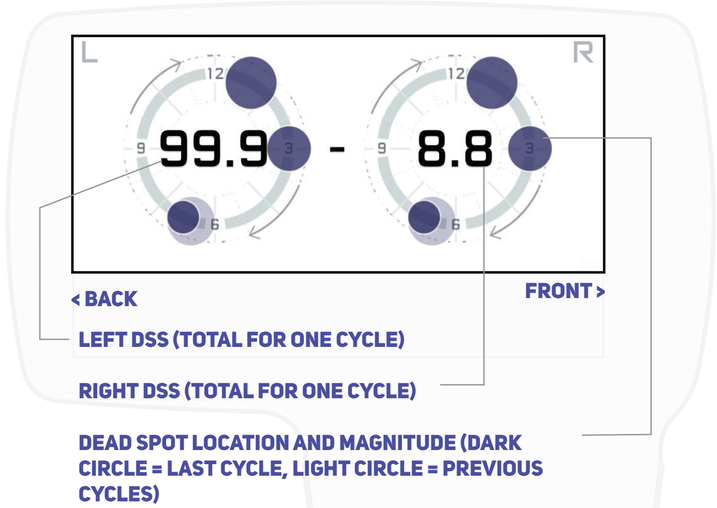
## DETAILS

A “dead spot” is where pedaling power is lost when sub-optimally shifting from one movement pattern to another during a pedaling stroke (such as the shift between the power and recovery phase).

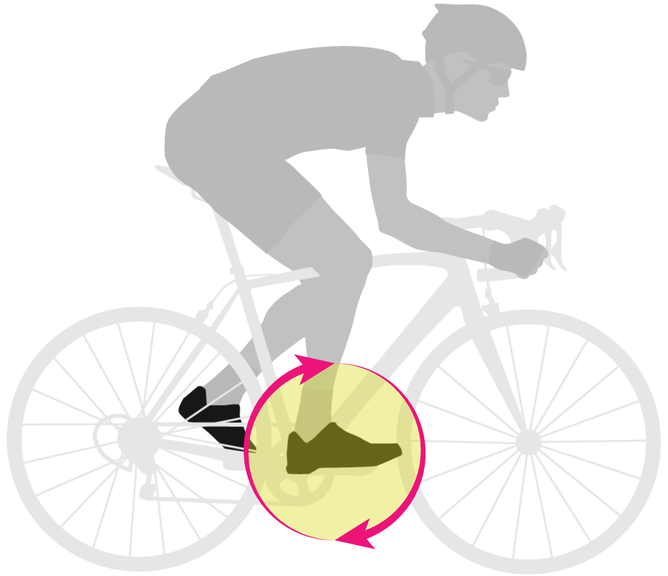
Optimal pedaling motions are smooth and apply less stress to the body than sub-optimal pedaling motions. DSS is measured by the foot’s angular velocity, where any deviation from a smooth angular velocity sine curve is considered a dead spot. Each dead spot is represented along the pedaling cycle by a filled circle, and a circle’s size indicates the magnitude of deviation.

Since dead spots are caused by many factors, a trained coach must find the primary cause of a high DSS. One known cause of a high DSS is the overuse of less powerful secondary muscles (such as hamstrings) over larger primary muscles (such as the glutes).

**DISPLAY**



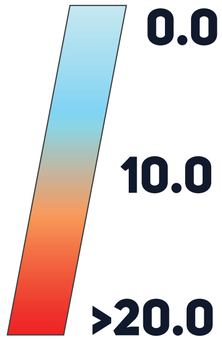

**MOTION**



## SCORE

The center value shows the **total sum** of magnitudes (measured in degrees/sec) of the dead spots that occurred in a single pedaling cycle. Each dead spot is represented along the pedaling stroke, with the size showing the magnitude of deviation from a smooth angular velocity.

**RATING**



| | |
|---|---|
| **0.0** | **Optimum pedaling with little to no dead spots** |
| **10.0** | **Unsmooth pedaling** |
| **>20.0** | **Extremely unsmooth pedaling** |

# LEG ANGULAR RANGE (LEG AR)

## SUMMARY

Leg Angular Range measures how much the thighs move up and down while pedaling.

- Looking at right and left Leg AR values provides insight to left/right movement imbalances.

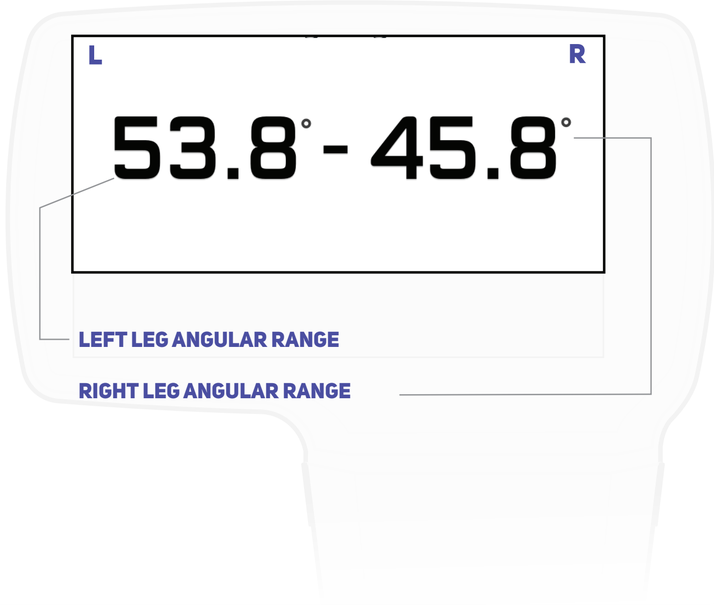
## DETAILS

The Leg Angular Range is calculated by subtracting the angle of the thigh at its lowest point from its highest point. An athlete should attempt to maximize their Leg Angular Range without sacrificing a stable pelvic tilt or an aggressive torso angle. Leg Angular Range should not be increased using incorrect form or bad bike fit, such as by hyper-extension of the knee, a low saddle height, increasing the Foot Angular Range, by crank lengthening, etc.

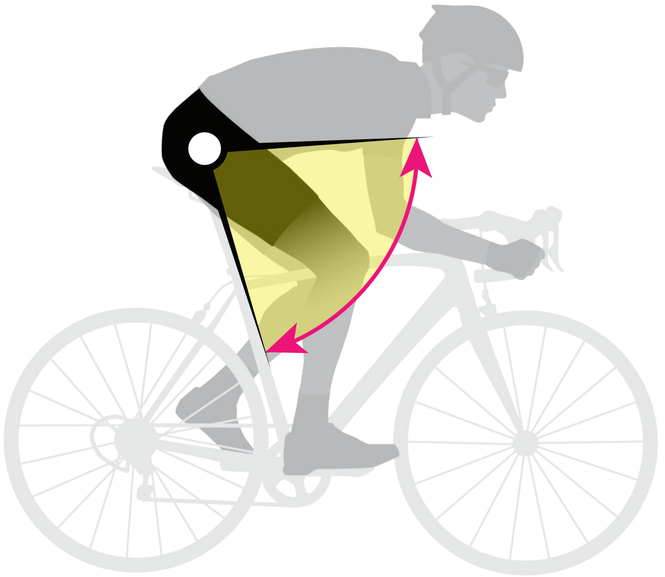
## SCORE

The up-to-down angular range of the left and right thighs (with the hip as the vertex) along a pedaling stroke, in degrees.

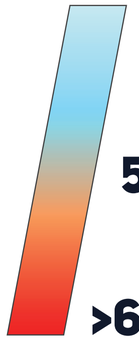
**DISPLAY**




**MOTION**



**RATING**



45.0° Small range

50.0° Normal Range

>60.0° Large range

# FOOT ANGULAR RANGE (FOOT AR)

## SUMMARY

Foot Angular Range measures how much the heel moves up and down while pedaling.

- Looking at the right and left Foot AR values provides insight to left/right movement imbalances.

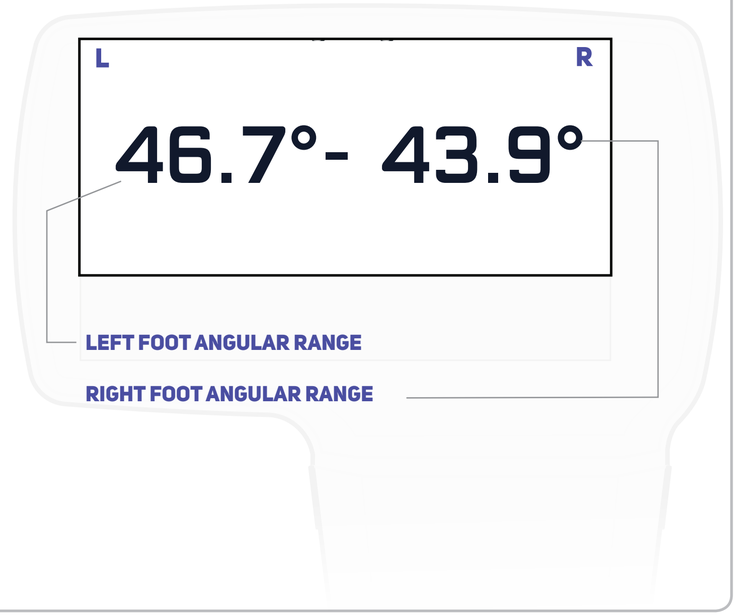
## DETAILS

The Foot Angular Range is calculated by subtracting the angle of the foot at its lowest point from its highest point. This score is mainly used for characterizing an athlete's pedaling. The bigger the Foot Angular Range, the higher the heels rise during the 9 - 12 o'clock phase, and the more that ankling occurs between 0 - 6 o'clock.

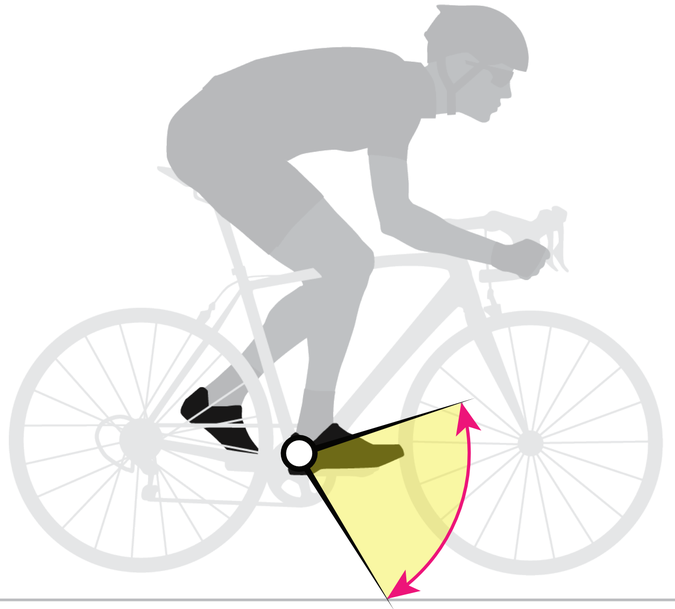
## SCORE

The up-to-down angular range of the foot (with the pedal as the vertex) along a pedaling stroke, in degrees. The lower the range, the easier it is for the leg to transfer power to the pedal.

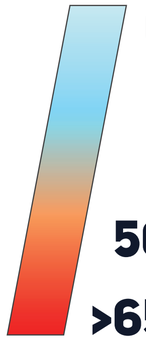
**DISPLAY**




**MOTION**



**RATING**



| | |
|---|---|
| 0.0 | Static range |
| 50.0 | General Range |
| >65.0 | Very dynamic range |

# FOOT ANGULAR RANGE Q1 (FOOT AR Q1)

## SUMMARY

Foot Angular Range (Q1) shows the foot angular range of the first quadrant of the pedaling cycle - 12 o'clock to 3 o'clock position.

- Looking at the right and left Foot AR (Q1) values provides insight to left/right movement imbalances.

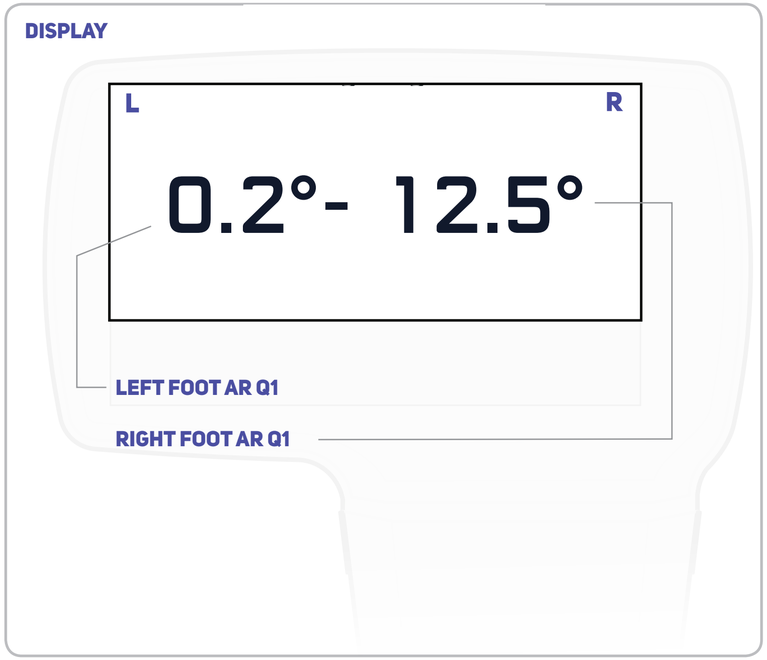
## DETAILS

A large FAR Q1 shows that the cyclist pushes down hard after the 12 o'clock position, creating a thrust around the 1 and 2 o'clock positions. By pushing down earlier near the 12 o'clock position, the cyclist minimizes the total angle the foot shifts between the 12 - 3 o'clock position.

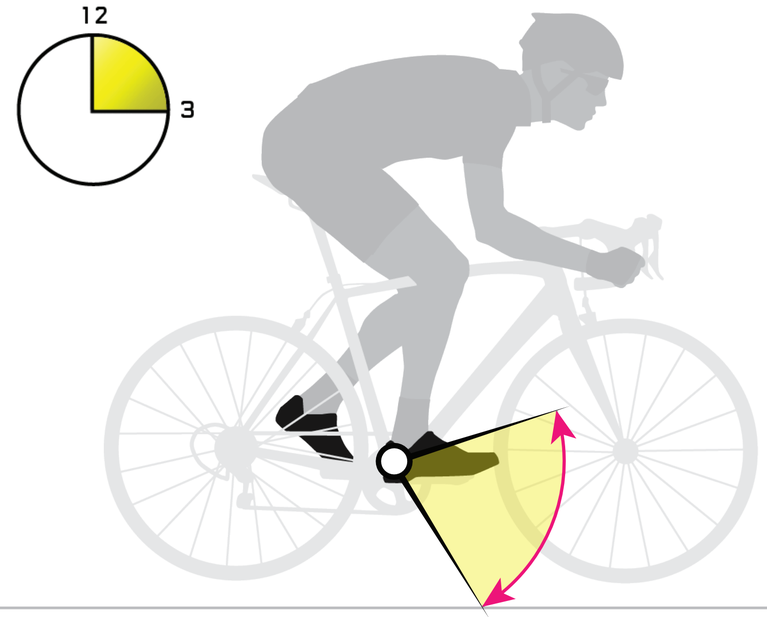
## SCORE

Foot Angular Range (Q1) measures the range of angular movement that occurs between the 12 and 3 o'clock position. The higher the range, the longer the delay for the "push down" motion to start for the power phase.

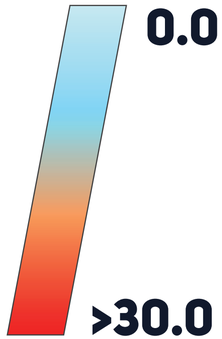
**DISPLAY**




**MOTION**




**RATING**



**0.0** Small movement in Q1

**>30.0** Large movement in Q1

# PELVIC ANGLE

## SUMMARY

Pelvic Angle indicates the degree to which the pelvis is tilted upward. The sensor should be fixed with adhesive on the lower back in the area of the sacrum.

## DETAILS

Each cyclist has a different neutral pelvic alignment. Finding a natural pelvis position engages the core muscles and reduces lumbar spine strain. Coaches have observed that riders with an upright Pelvic Angle have a higher chance of back injury.

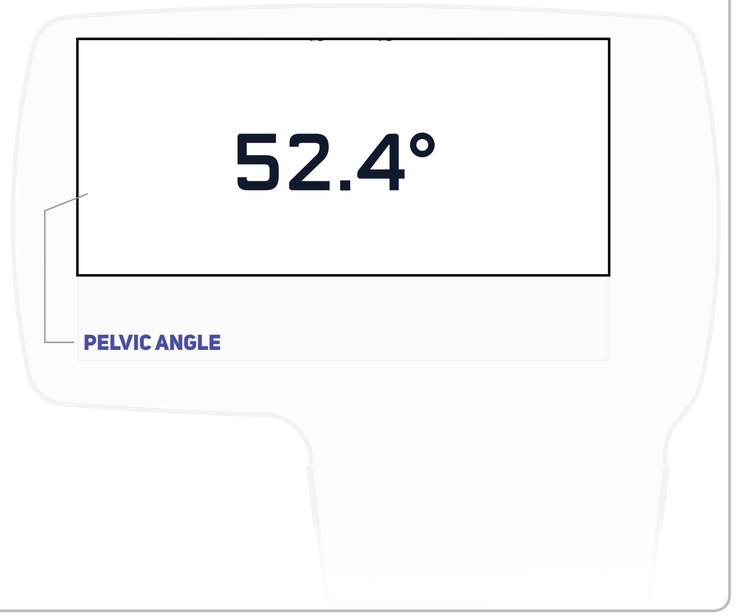
If the pelvis is tilted too far back, lumbar strain can occur, and if the pelvis is tilted too far forward, maximum Leg Angular Range cannot be achieved. Also, posterior rotation of the pelvis reduces power generation capability.

## SCORE

The front-to-back (z-axis) angle of the hip relative to gravity. Straight up is 90 degrees, while 0 degrees is parallel to the ground*.

*Assuming that the cyclist is on flat ground.

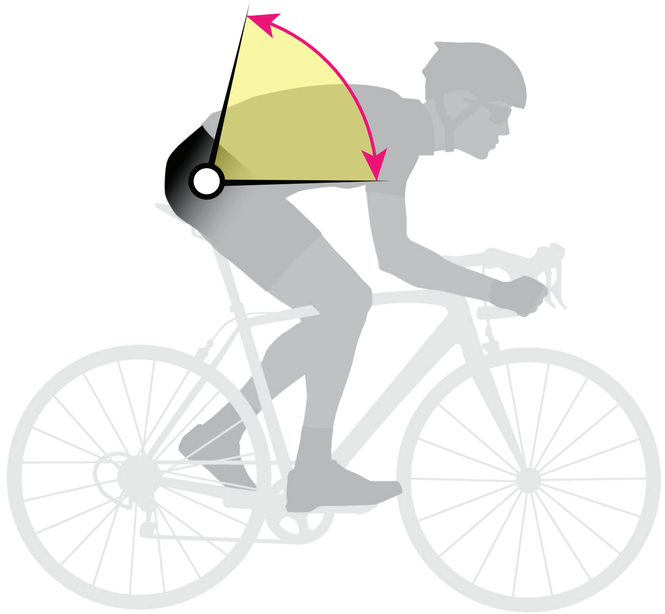
**DISPLAY**



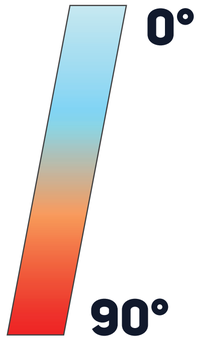

NOTE

- Climbing, descent, and velodrome riding: remember that the Pelvic Angle score does not represent the angle relative to the bicycle or the ground, but to the direction of gravity. Therefore, care is necessary when verifying the data from banked or graded sections, such as encountered with climbing, descent, and velodrome riding.

**MOTION**



**RATING**




**Parallel to ground***

*Assuming that the cyclist is on flat ground.

**Upright**

# PELVIC ROCK

## SUMMARY

Pelvic Rock measures the average up-down angular movement of the pelvis.

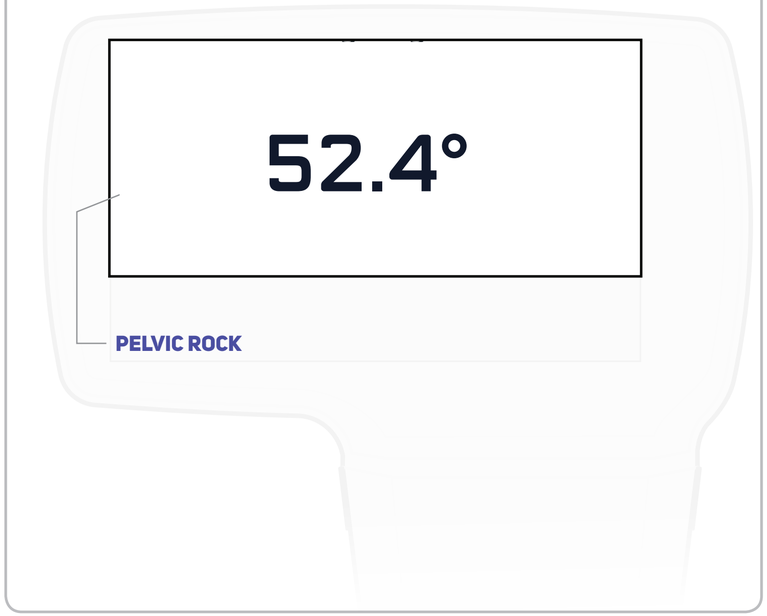
## DETAILS

In more detail, Pelvic Rock represents the average angular rotational range along the pelvis' local sagittal axis (the axis that intersects the pelvis from front to back). When sitting up on flat ground, this front-to-back axis is parallel to the ground; when in riding position, this axis will tilt toward the base of the front wheel.

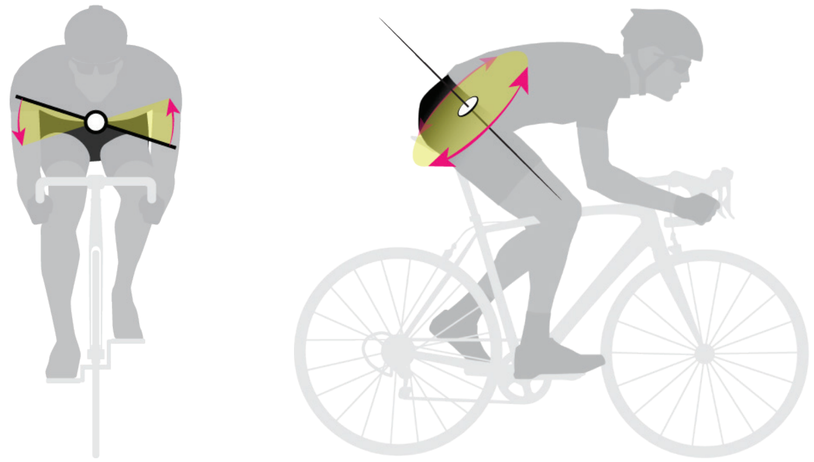
## SCORE

Each clockwise and counterclockwise rotation occurring within each second is recorded, and then averaged. This motion is commonly known as "rocking on the saddle."

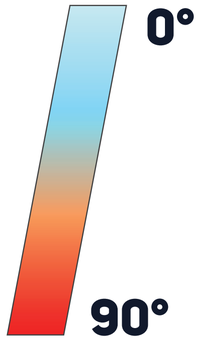
**DISPLAY**




**MOTION**



**RATING**



# PELVIC ROTATION

## SUMMARY

Pelvic Rotation measures the average angular rotational range of the pelvis.

## DETAILS

Pelvic Rotation is the average angular rotational range of the pelvis, measured at the sacrum once per second. This measurement is dependent on the sacrum's local vertical axis, which will be perpendicular to the ground when sitting up, and may tilt toward the handlebars when in riding position.

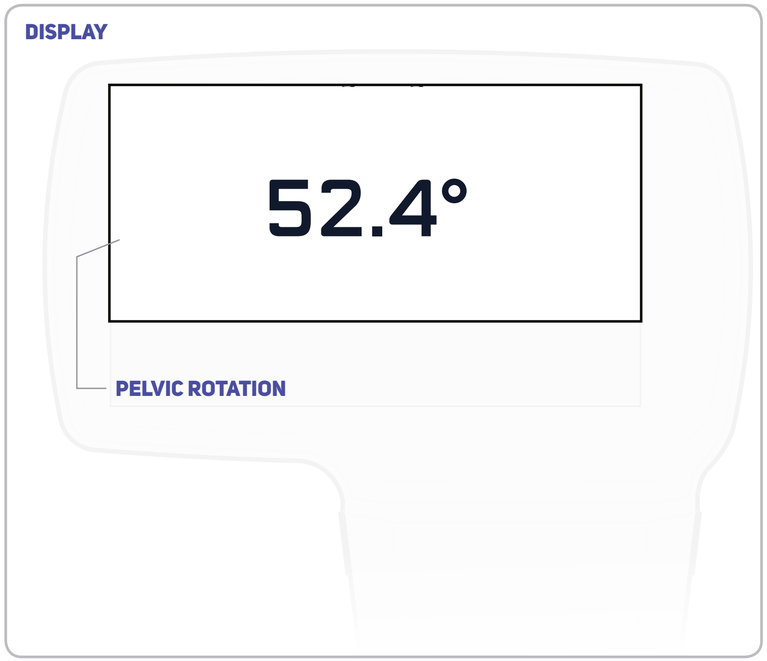
This motion can also be described as the anterior to posterior rotation of the pelvis along the transverse plane.

A larger Pelvic Rotation value indicates greater average rotation of the pelvis, and a lower value indicates more limited average rotation.

## SCORE

Each clockwise and counterclockwise rotation occurring within each second is recorded and then averaged.

**DISPLAY**

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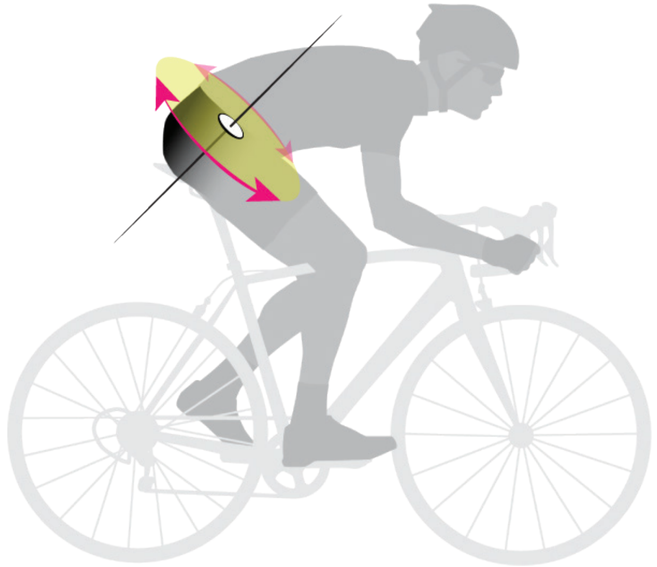

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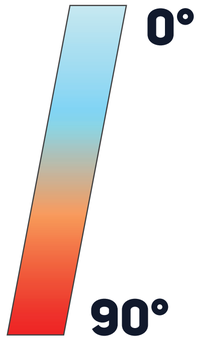


# TORSO ANGLE

## SUMMARY

Torso Angle indicates in degrees how much the chest (i.e. torso) is tilted upward relative to gravity. The sensor should be affixed along the sternum with an adhesive.

## DETAILS

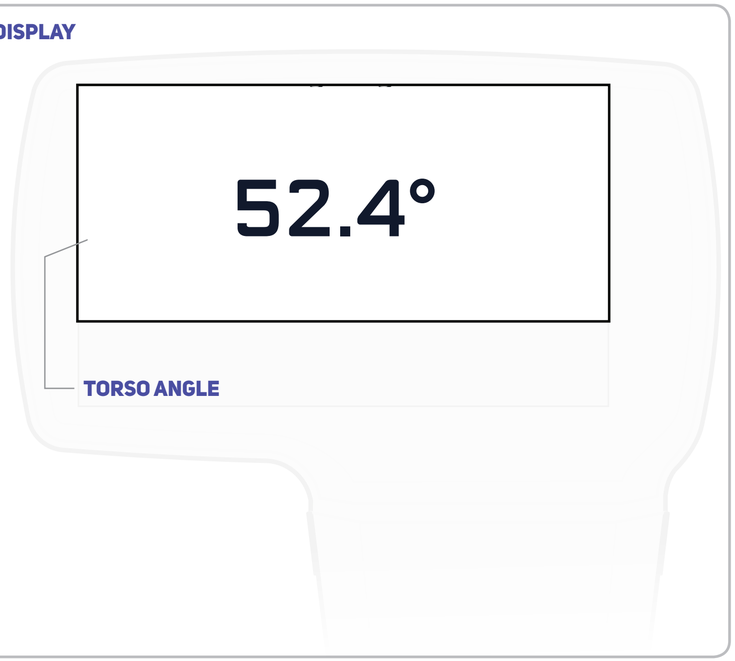
Torso Angle indicates the angle of the sternum relative to gravity. Generally speaking, Torso Angle decreases when riding in an aero position (upper body angled toward the ground), and increases when riding in a more upright position.

Intentional form change is not the only factor that affects Torso Angle; slight changes due to the influences of power, fatigue, and other factors also affect Torso Angle. For instance, when doing two-minute intervals, Torso Angle is likely to change since it will be difficult to keep a stable chest position as fatigue sets in.

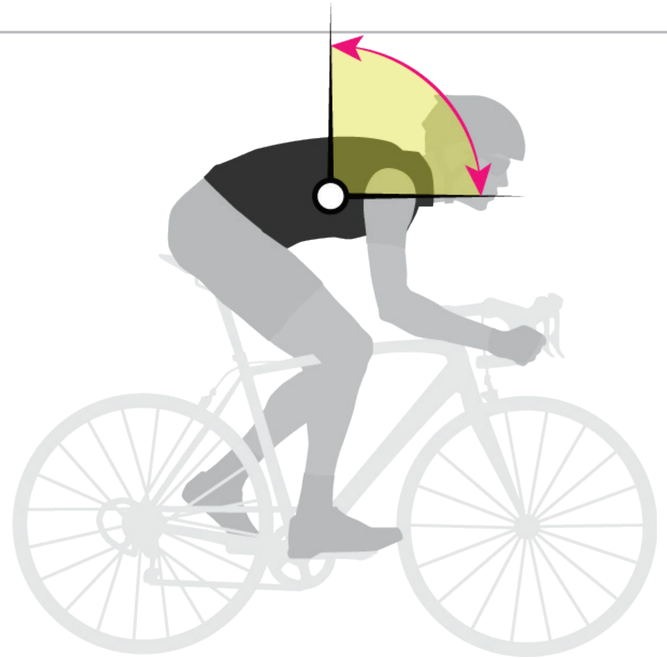
## SCORE

The Torso Angle indicates the angle of the chest relative to gravity; sitting with the chest perpendicular to gravity will yield a 90° value, and a 0° value indicates that the chest is parallel to gravity.

**DISPLAY**



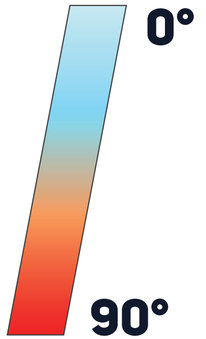

**MOTION**



NOTE

- Climbing, descent, and velodrome riding: remember that the Torso Angle score does not represent the angle relative to the bicycle or the ground, but to the direction of gravity. Therefore, care is necessary when verifying the data from banked or graded sections, such as encountered with climbing, descent, and velodrome riding.

**RATING**



**0°** — **Parallel to gravity**

**90°** — **Upright, perpendicular to gravity**

# TORSO ROCK

## SUMMARY

Torso Rock measures the average angular rotational range of the chest to the left and right.

## DETAILS

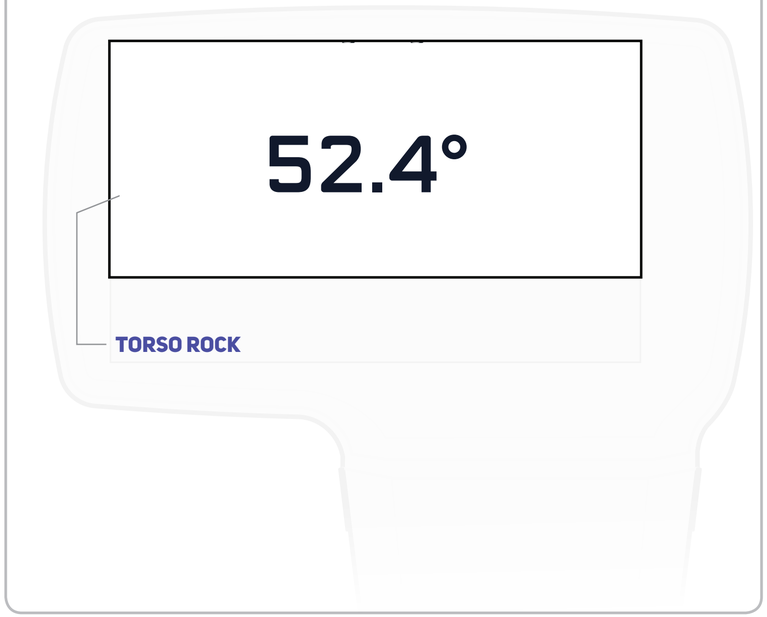
In more detail, Torso Rock represents the average angular rotational range of the torso, measured at the sternum once per second along the local sagittal axis (the sagittal axis intersects the lower back and the abdomen area above the pelvis).

A larger Torso Rock value indicates higher average torso rotation and a lower value indicates more limited rotation. Although torso movement from side to side can generally be called “rocking,” it is important to note that the amount of rocking observed is dependent on both torso rock and pelvic rock.

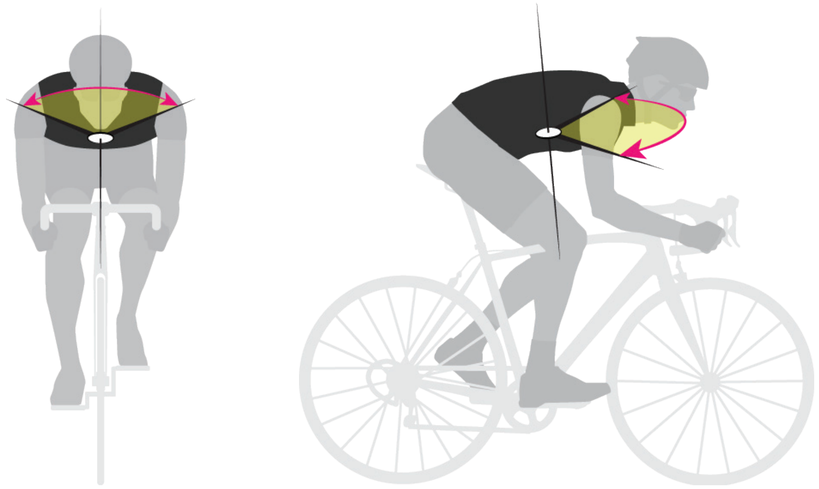
## SCORE

Each clockwise and counterclockwise rotation occurring within a second is recorded and averaged, resulting in an angular score.

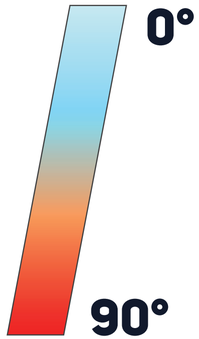
**DISPLAY**




**MOTION**



**RATING**



# TORSO ROTATION

## SUMMARY

Torso Rotation measures the average angular rotational range of the chest.

## DETAILS

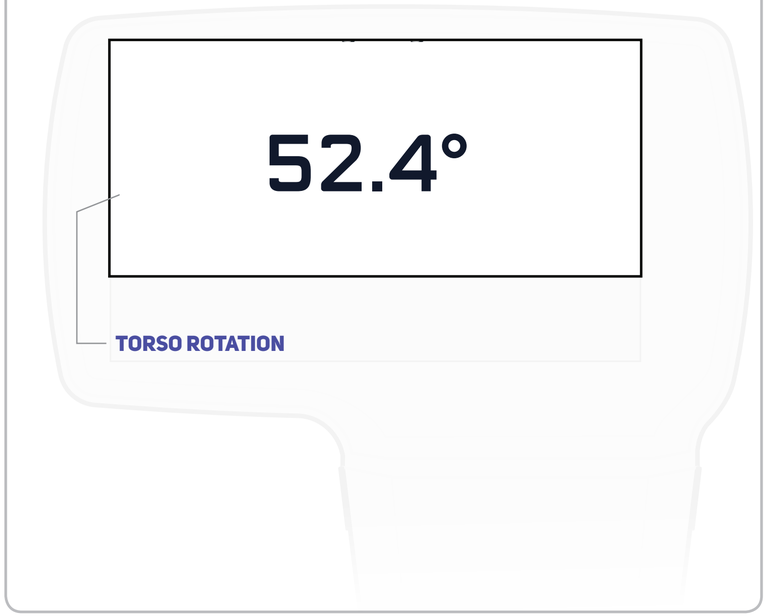
Torso Rotation is the average angular rotational range of the chest, measured at the sternum once per second. This measurement is dependent on the torso's rotational axis, which closely parallels the spine: when sitting up, the spine/rotational axis will be vertical (perpendicular to the ground), and when in riding position, the spine/rotational axis will tilt toward the handlebars.

A larger Torso Rotation value indicates greater average rotation of the torso, and a lower value indicates more limited average rotation. Although this motion might be thought of as being similar to twisting of the torso, it is important to note that the amount of "twisting" is dependent on actual torso rotation and pelvic rotation at the time of measurement.

## SCORE

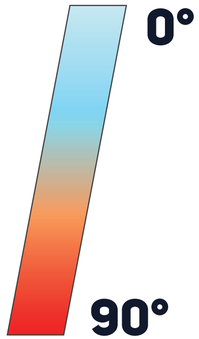
Score Each clockwise and counterclockwise rotation occurring within a second is recorded and averaged, resulting in an angular score.

**DISPLAY**




**MOTION**

**RATING**



# TYPE-S

### OS
Android 9

### AVAILABLE APPLICATIONS
LEOMO App and other Android apps that can be downloaded from Google Play

### SOC
CPU Clock Speed: Up to 2.0 GHz
CPU Cores: 8x ARM Cortex A53, 4x 2.0GHz + 4x 1.4GHz
CPU Architecture: 64-bit

### SIZE
- L 98.0 mm x W 51.6 mm x H 15.8 mm (L 3.9 in. x W 2.0 in. x H 0.6 in.)

### WEIGHT
- 108 g
- with Multi-sport Adapter: 131 g
- with Power Mount: 176 g

### IPX RATING
- IPX 7

### DISPLAY SPEC
- 3.0”, WQVGA (400 x 240), Color (65k), Trans-reflective type
- Touch Panel (Capacitive, Multi point touch)

### GNSS (GLOBAL NAVIGATION SATELLITE SYSTEM)
- GPS / GLONASS / BDS / Galileo

### WIRELESS TECHNOLOGY
- WWAN (Wireless Wide Area Network)
  - GSM: 850, 900, 1800, 1900
  - WCDMA: B1, B2, B5, B8
  - FDD-LTE: B1, B2, B3, B4, B5, B7, B8, B12, B17, B20, B28
  - TDD-LTE: B38, B41
- Other Wireless Technology
  - ANT+
  - Bluetooth 4.1
    * A separated Bluetooth chip is provided for stable 5 LEOMO Motion Sensors connection
  - Bluetooth Low Energy
  - Wi-Fi (802.11 a (5GHz)/b/g/n (2.4GHz)

### BUILT-IN SENSORS
- Accelerometer / Compass / Gyroscope / Barometeric Altimeter / Proximity sensor / Ambient Light Sensor

### NFC
- NFC Type A/B (No Felica support)

### OTHER PARTS
- Vibrator
- Microphones x 2
- Speaker (Receiver)

### BATTERY
- Built-in main unit: 1900mAh (min)
- Battery life
  - Main unit: Up to xx h / xx-day
  - With Power Mount (Optional): Up to xxh / xx-day
- Charging time
  - Main unit:
  - With Power Mount (Optional): Optional USB Type-C cable and USB AC adapter are required

### MAIN CAMERA
- Photo
  - Sensor size: 13MP sensor wit 1/3” optics
  - Resolution: 4208 x 3120
  - Angle: 78.4
  - F number: 2
  - ISO sensitivity: ISO 100 - 1600
  - HDR: morpho HDR
- Video
  - Resolution and fps: 1080p/720p/480p, all 30fps
  - ISO sensitivity: ISO 4800
  - HDR: n/a

### FRONT CAMERA
- Photo
  - Sensor size: 5MP sensor wit 1/5” optics
  - Resolution: 2592 x 1944
  - Angle: 76.8
  - F number: 2.2
  - ISO sensitivity: ISO 100 - 800
  - HDR: morpho HDR
- Video
  - Resolution and fps: 1080p/720p/480p, all 30fps
  - ISO sensitivity: ISO 3200
  - HDR: n/a

### MEMORY
- RAM: 3GB / ROM: 32GB

### SIM & SD CARD
- Nano SIM x1 with micro SD Slot

### USB TERMINAL
- Type-C (Water proof connector)

### EXPORT DATA FOTMAT (FILE TYPES)
- FIT (via LEOMO Cloud)

### OPERTATING AND CHARGING TEMPERATURE RANGE
- Normal operating: -10°C to 55°C (14°F to 131°F)
- Charging: 0°C to 55°C (32°F to 131°F)

### PRE-INSTALLES APPS
- LEOMO App, App Updater, Google Play, Google Maps, Google, YouTube, Google Drive, Gmail, Google Calendar, Google Play Movies & TV, Google Play Music, Camera, Google Keep, Files, Google Duo, Messages, News, Phone, Google Photos Settings, Wallpapers, Calculator

### LANGUAGES (UI)
- English, Spanish, German, French, Italian and Japanese

LEOMO

## LEOMO MOTION SENSOR

**SIZE**
- W 1.5″ x H 1.5″ x D 0.3″

**WEIGHT**
- 12 g

**IPX RATING**
- IPX 7

**BATTERIES**
- Built-in Li-ion Polymer Rechargeable Battery
- Lasts up to 7 hrs 50 mins

## OPTIONAL POWER MOUNT

**BATTERY CAPACITY**
- 1900 mAh (min)

**SIZE**
- Power Mount only: L 98.1 mm x W 51.6 mm x H 15.8 mm
  (L 3.9 in. x W 2.0 in. x H 0.6 in.)

**WEIGHT**
- Power Mount only: 68g

**IPX RATING**
- IPX7

**BATTERY CHARGING TIME**
- 2 hrs 40 min

**POWER SHARING AND CHARGING TEMPERATURE RANGE**
- Power sharing to the TYPE-S: -15°C to 55°C (5°F to 131°F)
- Charging: 0°C to 60°C (32°F to 140°F)

# LIMITATION OF LIABILITY

THE TYPE-S PRODUCT AND ALL ACCESSORIES ARE PROVIDED ON AN ‘AS IS’ BASIS WITHOUT ANY WARRANTIES OF ANY KIND. LEOMO DISCLAIMS ALL WARRANTIES, INCLUDING WITHOUT LIMITATION, THE WARRANTY OF MERCHANTABILITY, NON-INFRINGEMENT OF PROPRIETARY OR THIRD PARTY RIGHTS, AND THE WARRANTY OF FITNESS FOR PARTICULAR PURPOSE.

## ☐ FCC DECLARATION OF CONFORMANCE

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

— Reorient or relocate the receiving antenna.
— Increase the separation between the equipment and receiver.
— Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
— Consult the dealer or an experienced radio/TV technician for help.

● RF Exposure Information (SAR)

This device has been tested and meets applicable limits for Radio Frequency (RF) exposure. Specific Absorption Rate (SAR) refers to the rate at which the body absorbs RF energy. SAR limits are 1.6 Watts per kilogram (over a volume containing a mass of 1 gram of tissue) in countries that follow the United States FCC limit and 2.0 W/kg (averaged over 10 grams of tissue) in countries that follow the Council of the European Union limit. Tests for SAR are conducted using standard operating positions with the device transmitting at its highest certified power level in all tested frequency bands. To reduce exposure to RF energy, use a hands-free accessory or other similar option to keep this device away from your head and body. Carry this device at least 10 mm away from your body to ensure exposure levels remain at or below the as-tested levels. Choose the belt clips, holsters, or other similar body-worn accessories which do not contain metallic components to support operation in this manner. Cases with metal parts may change the RF performance of the device, including its compliance with RF exposure guidelines, in a manner that has not been tested or certified, and use such accessories should be avoided.

The highest FCC SAR values for the device are as follows:

- 1.38 W/kg@1g (Head)
- 1.20 W/kg@1g (Body)

## ☐ INDUSTRY CANADA DECLARATION OF CONFORMANCE

This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions:

(1) This device may not cause interference; and
(2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

(1) l'appareil ne doit pas produire de brouillage, et
(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement."

The device could automatically discontinue transmission in case of absence of information to transmit, or operational failure. Note that this is not intended to prohibit transmission of control or signaling information or the use of repetitive codes where required by the technology.

- the device for operation in the band 5150–5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;

L'appareil peut interrompre automatiquement la transmission en cas d'absence d'informations à transmettre ou de panne opérationnelle. Notez que ceci n'est pas destiné à interdire la transmission d'informations de contrôle ou de signalisation ou l'utilisation de codes répétitifs lorsque cela est requis par la technologie.
Le dispositif utilisé dans la bande 5150-5250 MHz est réservé à une utilisation en intérieur afin de réduire le risque de brouillage préjudiciable aux systèmes mobiles par satellite dans le même canal;

● RF Exposure Information (SAR)

This device has been tested and meets applicable limits for Radio Frequency (RF) exposure. Specific Absorption Rate (SAR) refers to the rate at which the body absorbs RF energy. SAR limits are 1.6 Watts per kilogram (over a volume containing a mass of 1 gram of tissue) in countries that follow the United States FCC limit and 2.0 W/kg (averaged over 10 grams of tissue) in countries that follow the Council of the European Union limit. Tests for SAR are conducted using standard operating positions with the device transmitting at its highest certified power level in all tested frequency bands. To reduce exposure to RF energy, use a hands-free accessory or other similar option to keep this device away from your head and body. Carry this device at least 10 mm away from your body to ensure exposure levels remain at or below the as-tested levels. Choose the belt clips, holsters, or other similar body-worn accessories which do not contain metallic components to support operation in this manner. Cases with metal parts may change the RF performance of the device, including its compliance with RF exposure guidelines, in a manner that has not been tested or certified, and use such accessories should be avoided.

● Informations sur l'exposition RF (SAR)

Cet appareil a été testé et répond aux limites applicables en matière d'exposition aux radiofréquences (RF). Le débit d'absorption spécifique (DAS) désigne la vitesse à laquelle le corps absorbe l'énergie RF. Les limites SAR sont de 1,6 Watts par kilogramme (sur un volume contenant 1 gramme de tissu) dans les pays qui suivent la limite FCC des États-Unis et 2,0 W / kg (moyenne sur 10 grammes de tissus) dans les pays qui suivent le Conseil des Limite de l'Union Européenne. Les tests de DAS sont effectués en utilisant des positions de fonctionnement standard, l'appareil transmettant à son

niveau de puissance certifié le plus élevé dans toutes les bandes de fréquences testées. Pour réduire l'exposition à l'énergie RF, utilisez un accessoire mains libres ou toute autre option similaire pour éloigner cet appareil de votre tête et de votre corps. Transportez cet appareil à au moins 10 mm de votre corps pour vous assurer que les niveaux d'exposition restent au niveau ou au-dessous des niveaux testés. Choisissez les agrafes de ceinture, les étuis, ou d'autres accessoires similaires portés au corps qui ne contiennent pas de composants métalliques pour supporter le fonctionnement de cette manière. Les boîtiers avec des pièces métalliques peuvent modifier les performances RF de l'appareil, y compris sa conformité aux directives d'exposition aux RF, d'une manière qui n'a pas été testée ou certifiée, et l'utilisation de ces accessoires doit être évitée.

## ☐ STATEMENT OF COMPLIANCE WITH EU DIRECTIVE

Hereby, LEOMO, Inc. declares that this LEOMO TYPE-S Phone is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address: https://www.leomo.io/legal

DECLARATION DE CONFORMITE AVEC LES DIRECTIVES DE L'UNION EUROPEENNE
Par la presente LEOMO, Inc. declare que l'appareil LEOMO TYPE-S Phone est conforme aux exigences essentielles
et aux autres dispositions pertinentes de la directive 2014/53/EU.

Company: LEOMO, Inc.
Address: 2000 Central Avenue, Suite 150, Boulder CO 80301, USA
E-mail: certification@leomo.io

● RF Exposure Information (SAR)

This device has been tested and meets applicable limits for Radio Frequency (RF) exposure. Specific Absorption Rate (SAR) refers to the rate at which the body absorbs RF energy. SAR limits are 1.6 Watts per kilogram (over a volume containing a mass of 1 gram of tissue) in countries that follow the United States FCC limit and 2.0 W/kg (averaged over 10 grams of tissue) in countries that follow the Council of the European Union limit. Tests for SAR are conducted using standard operating positions with the device transmitting at its highest certified power level in all tested frequency bands. To reduce exposure to RF energy, use a hands-free accessory or other similar option to keep this device away from your head and body. Carry this device at least 5 mm away from your body to ensure exposure levels remain at or below the as-tested levels. Choose the belt clips, holsters, or other similar body-worn accessories which do not contain metallic components to support operation in this manner. Cases with metal parts may change the RF performance of the device, including its compliance with RF exposure guidelines, in a manner that has not been tested or certified, and use such accessories should be avoided.

The highest CE SAR values for the device are as follows:

- 1.369 W/kg@10g(Head)
- 1.653 W/kg@10g(Body)

● 5GHz Restriction

The device is restricted to indoor use only when operating in the 5150 to 5350 MHz frequency range.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
|  | AT | BE | BG | HR | CY | CZ | DK |
| | EE | FI | FR | DE | EL | HU | IE |
| | IT | LV | LT | LU | MT | NL | PL |
| | PT | RO | SK | SI | ES | SE | UK |

● Maximum transmit power

| | |
|---|---|
| GSM 850, 1900 MHz | 35 dBm |
| GSM 900, 1800 MHz | 32 dBm |
| WCDMA 1, 2, 5, 8 | 25Bm |
| LTE 1, 2, 3, 4, 5, 7, 8, 12, 17, 20, 28, 38, 41 | 32 dBm |
| Bluetooth® 5.0 | 20 dBm |
| WLAN 2.4 G | 20 dBm |
| WLAN 5 G | 23 dBm |
| NFC 13.56 MHz | 42 dBuA/m @ 10m |

● Prevention of Hearing Loss

| | |
|---|---|
|  | To prevent possible hearing damage, do not listen at high volume levels for long periods. |

● Battery Caution Notice

Caution: Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions

## ☐ WEEE COMPLIANCE & DISPOSAL INFORMATION

Correct Disposal of This Product (Waste Electrical & Electronic Equipment)
(Applicable in the European Union and other European countries with separate collection systems)

This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources. Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling. Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

## ☐ STATEMENT OF COMPLIANCE WITH Japan Radio Law

● RF Exposure Information (SAR)

To reduce exposure to RF energy, use a hands-free accessory or other similar option to keep this device away from your head and body. Carry this device at least 5 mm away from your body to ensure exposure levels remain at or below the as-tested levels. Choose the belt clips, holsters, or other similar body-worn accessories which do not contain metallic components to support operation in this manner. Cases with metal parts may change the RF performance of the device, including its compliance with RF exposure guidelines, in a manner that has not been tested or certified, and use such accessories should be avoided.

The highest Japan SAR values for the device are as follows:
- 0.945 W/kg@10g(Head)
- 1.100 W/kg@10g(Body)

- 5GHz Restriction

  5GHz band (W52,W53): Indoor use only (except communicate to high power radio)

☐ **e-Label of Regulatory Information:**

for For Regulatory Information and Compliance mark (E.labels). Please refer to your device via the following step: Settings > System > Certification

MORE INFORMATION AT:

**HTTPS://LEOMO.ZENDESK.COM**

E-MAIL SUPPORT REQUESTS TO:

**SUPPORT@LEOMO.IO**