

## Assioma DUO (Art.772-02)

Power meter with sensors on both pedals. The best choice to take full advantage of the real dual-sided measurement.

### Overview:

#### • Easy to install

Install and transfer your Assioma from one bike to another just like normal pedals, easily and without extra tools. Just screw them on your bike crank arms and you are ready to pedal!

#### • IAV Cycling Dynamics

Assioma supports the advanced metrics IAV Cycling Dynamics: IAV Power Phase and IAV Rider Position. These metrics, combined with the classic power data, allow analyzing in details the pedaling technique and how the cyclist's position on the bike influences performances.

#### • IAV Power and gyroscope

Unlike others, the measurements of Assioma are not affected by errors related to very irregular pedaling (eg. sprint uphill) or the use of oval chainrings. This is because Assioma is able to detect the actual instantaneous angular velocity of the pedal stroke, thus giving you the degree of accuracy of  $\pm 1\%$  in any situation. Not only in the laboratory.

#### • Bluetooth and ANT+ SMART

Assioma communicates via Bluetooth and ANT+ with bike computers and smartphones, both Android and iOS.

#### • Real dual-sided power data

Assioma DUO provides dual-sided data through real measurements: taken individually on both the left and the right leg; this make it possible to observe with accuracy not only the Total Power, but also the L/R Balance, the Torque Effectiveness (TE), the Pedal Smoothness (PS), etc.

#### • Accuracy and consistency

Assioma provides accurate watt measurements with a great consistency and stability in the actual on-road use conditions and at any temperature between  $-10^{\circ}\text{C}$  and  $60^{\circ}\text{C}$ . Thanks to the ATC (Automatic Temperature Compensation) too.

#### • Waterproof, resistant and light

Assioma is the lightest pedal-based power meter ever made. Thanks to its compact design, it never interferes with the pedaling. Not even when cornering. The power sensors are protected in a bi-component resin block, extremely resistant to shocks and completely waterproof.

#### • Rechargeable and green

Assioma is the only pedal-based power meter with integrated rechargeable batteries; a single charge ensures 50 hours of use at least.

#### • Tested and guaranteed

Favero Electronics produces in-house each Assioma and thoroughly test it individually: fully satisfying the standards required by current regulations.

### Technical characteristics:

- Power sensor on both pedals
- Dual-sided power measurement
- Cadence sensor: included, inbuilt
- Gyroscope: included, inbuilt
- Power calculation system: IAV (Instantaneous Angular Velocity-based)
- IAV Cycling Dynamics: yes
- Oval-chainring compatible: yes
- Total weight per pedal: 151,5g (battery included)
- Battery type: rechargeable lithium battery
- Battery life: at least 50 hours
- Radio communication: Bluetooth v4.0, ANT+ PWR profile (CT + PO)
- Accuracy power measurement:  $\pm 1\%$
- Temperature compensation:  $-10^{\circ}\text{C}$  /  $+60^{\circ}\text{C}$
- Water resistance degree: IP67
- Q-factor: 54mm
- Hardware upgrade to Assioma DUO always available
- Compatible cleats: Original LOOK Kéo and Favero cleats (red and black)
- Bike type: racing/road
- Made in Italy
- Warranty: 2 years

### Package content:

- Left pedal with power sensor
- Right pedal with power sensor
- Battery charger including plugs (EU, US, UK, AU)
- 2 two-meter long micro-USB/USB cables with 2 magnetic connectors



Art.772-02

**Assioma DUO**

Power meter with sensors on both pedals.

- 2 red cleats float 6° (LOOK Kéo compatible)
  - Hex key and 4 washers for the installation
  - User manual
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For more info visit [cycling.favero.com](https://cycling.favero.com).

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