

# AXO SL Spider Power Meter User Manual

## I. Packing List

1. AXO SL Spider Power Meter ×1
2. Stickers
3. User Manual ×1
4. Magnetic Charging Cable ×1

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## II. Installation

The spider power meter is a precision mechanical measurement device.

Please ensure cleanliness and accuracy during installation.

- Thoroughly clean the mounting surfaces of the crank and spider. Ensure no grease, dust, or debris remains.
- When installing the spider, tighten the bolts according to the torque specification indicated on the spider.
- When installing chainrings, please follow the recommended bolt torque specified in the chainring's product instructions.
- After installation and 1–2 rides, the power meter will reach optimal accuracy.
- When installing AXO SL, make sure the right crank arm is positioned horizontally to the upper right of the charging port. The crank arm must not press against any part of the plastic cover. Damage caused by incorrect installation is not covered under warranty.

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## III. Zeroing

The AXO SL Spider Power Meter has an automatic zeroing function, so manual zeroing is not required.

If manual zeroing is needed, use one of the following methods:

1. At any time, reverse chain rotation can zero the power meter.
2. When the power meter is under no load (both feet off the pedals, pedals not touching anything), press the cycling computer's "Calibrate" button to complete zeroing.

*After the first installation or replacement of chainrings, please perform one manual calibration.*

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## IV. Connecting to Cycling Computer and Phone

- Rotate the crank to ensure the power meter is awake.

### Cycling computer connection:

Open the cycling computer's settings, search for the power meter, select the ID of the AXO SL Spider Power Meter to connect, or manually enter the ID to connect.

### Phone connection:

Turn on the phone's Bluetooth function. Connect directly through the APP by selecting the AXO SL Power Meter. Do not pair the device in the phone's Bluetooth system settings.

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## V. Performance Parameters

- Power Measurement Accuracy: ±1%
- Power Measurement Range: 0–2000 W
- Cadence Measurement Range: 30–220 RPM

- Storage Temperature Range: -20°C to 50°C
- Battery Life: 300 hours
- Standby Time: >1 year
- Data Protocol: Bluetooth
- Protection Rating: IP67
- Weight: 79 g (AXO SL EST 4-arm 110BCD version)
- Measured Data: Power, Cadence, Left/Right Balance

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## VI. Sleep Mode

The power meter will automatically enter sleep mode after 5 minutes of inactivity to save energy. Rotate the crank to wake the power meter and enter working mode.

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## VII. Battery and Power

### Charging:

Use a 5V power adapter and the magnetic charging cable included in the package to charge the power meter.

The indicator light remains on while charging and turns off when fully charged. Full charging time is approximately 3–4 hours.

### Low battery:

When the battery is low, data accuracy may decrease. Please recharge in time.

### Check battery level:

- Users can check the battery status on the cycling computer's device details page. Levels are displayed as: New, Good, OK, Low, Very Low (5 levels). Battery status can also be viewed in the SIGEYI APP.
- Avoid letting the battery drop below 10%. Deep discharge may cause irreversible damage to the battery. If the bike will not be used for a long time, please fully charge the battery before storage.

### LED indicators:

- Continuous flashing: Battery very low, needs charging.
- Upon waking:
  - 1 flash: Battery very low, needs charging.
  - 2 flashes: Low battery.
  - 3 flashes: OK.
  - 4 flashes: Good.
  - 5 flashes: Full.

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## VIII. Cleaning and Maintenance

- Except for charging and routine cleaning, do not attempt to disassemble or repair any components.
- To clean, use a soft damp cloth with neutral detergent to wipe off dust and debris. Do not use harsh chemical cleaners, which may damage the plastic shell and corrode the magnetic charging contacts.
- The power meter is fully waterproof for riding in the rain, but do not immerse it in water or spray it directly with high-pressure water.

- Operating temperature range: -20°C to 50°C. Do not use outside this range to avoid damage.
- Do not subject the crankset and power meter to strong impacts, as this may cause damage.
- Always ensure correct installation of the power meter and related components.
- Sweat may cause corrosion to metal parts. Please clean regularly, especially after indoor trainer use.

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## **IX. Firmware Upgrade**

The AXO SL Spider Power Meter supports wireless firmware upgrades via smartphone Bluetooth. During firmware upgrade, the indicator light will remain on, and the device will enter upgrade mode.

For firmware upgrade APP, please visit our official website: [www.sigeyi.com](http://www.sigeyi.com)

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## **X. Contact Information**

- Email: [service@sigeyi.tech](mailto:service@sigeyi.tech)
- Website: [www.sigeyi.com](http://www.sigeyi.com)

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## **XI. Statement**

Our company reserves the right to change product specifications without prior notice.

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### **SIGEYI Power Meter Warranty Card**

Thank you for purchasing a SIGEYI product. With this warranty card:

1. The power meter is covered by a two-year warranty from the date of sale against non-human-induced damage.
2. Damage caused by improper installation, abnormal use, crashes, impacts, or accidents is not covered under warranty.
3. Unauthorized disassembly of the power meter will be regarded as forfeiting the warranty.

  

- Model: PM017M
- ANT ID:
- Repair Records:
- Date:
- Reason for Return:

FCC Caution.

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.

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

Note: 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 warning for Portable device:

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.