

Firmware Release Information for Pedaling Monitor Sensor Ver.4.023

●Operation will be smooth from Cycle Computer.

*The method for mode switch to Power Meter mode will change.

- Mode switch with using the CA500.
- The mode will be kept after exchange battery. No need to push SW after exchanging the battery.
- The method for checking the current mode will change.

*Left and Right sensors can be used separately.

- Sensors in Pedaling monitor mode can be used separately without this version upgrade.

*The method for magnet calibration will change. (This operation is usually done by dealer.)

- Operation with SGX-CA500

*Please refer to the following link for installation/calibration manuals in details.

http://pioneer-cyclesports.com/us-en/support/products/manual/SGY-PM910H2HLHR_Manual_for_dealers_en.pdf

●The following functions will be added.

*Power measurement can be done without a magnet for Power Meter mode.

- Measurement accuracy will be improved with magnet installation.

*ANT+ Torque Effectiveness and Pedal Smoothness metrics will be added for Power Meter mode.

Please refer to the following link in details.

<https://www.thisisant.com/news/ant-releases-new-version-of-bike-power-profile-with-advanced-data-metrics-t>

- These metrics are not supported with the SGX-CA500. Please use supported cycle computers like GARMIN.

*If a magnet is lost, measurements other than vector will be continued.

- The measurement of power and efficiency will continue to be transmitted and displayed.
- This mode is designed for temporary application. Please reinstall the magnet immediately.
- (Magnet calibration is necessary after magnet replacement.)
- Battery consumption will increase in this mode.

●Version

*Firmware version confirmation

- Menu => Sensor => R (or L) Pedaling Monitor Sensor =>FW Version

*The sensor firmware version after upgrade will be "4.023".

Software Version Correspondence Table

General Method

| | | | |
|--------------------------------|-------------------------------|--|--|
| Models | PM910H | PM910H2 PM910HL PM910HR | New Release PM910H PM910H2 PM910HL PM910HR |
| Software version | Less than or equal to2.016 | 2.020 2.021 | 4.023 |
| Magnet calibration | Push SW | CA500/CA900 | CA500/CA900 |
| Mode switch (PMS⇔APM D) | Push SW | CA500/CA900 | CA500/CA900 |
| Mode switch (APM S⇔APM D) | | Push SW CA500/CA900 | Push SW CA500/CA900 |
| Mode switch (PMS⇔APM S) | | CA500/CA900 | CA500/CA900 |
| Mode after battery replacement | Pedaling monitor Mode | Mode before exchange battery | Mode before exchange battery |
| Check magnet with LED | During magnet calibration | For 5 minutes after insertion battery | For 5 minutes after insertion battery |
| Check mode with LED | Push SW | At battery insertion | At battery insertion |

PMS : Pedaling monitor mode

APM S : Single power meter mode

APM D : Dual power meter mode

Pedaling monitor mode

| | | | |
|---|-------------------------------|-------------------------------|--|
| Models | PM910H | PM910H2 PM910HL PM910HR | New Release PM910H PM910H2 PM910HL PM910HR |
| Software version | Less than or equal to2.016 | 2.020 2.021 | 4.023 |
| The display other than vector will be continued when magnet is lost during cycling. | | | ✓ |

Power meter mode

| | | | |
|--|-------------------------------|-------------------------------|--|
| Models | PM910H | PM910H2 PM910HL PM910HR | New Release PM910H PM910H2 PM910HL PM910HR |
| Software version | Less than or equal to2.016 | 2.020 2.021 | 4.023 |
| Single power meter mode | | ✓ | ✓ |
| Operation without magnet | | | ✓ |
| Torque Effectiveness / Pedal Smoothness | | | ✓ |

Models are following.

Models: SGY-PM910H/H2/HL/HR, SGY-PM90/PM68/PM9100C/LT90/LT68/PMRTC series

Please confirm your firmware version before you update.