Pioneer

http://pioneer-cyclesports.com/

For Athletes who chase the Ideal.

CYCLO COMPUTER
SGX-CA500

ANT+ WiFi CERTIFIED

- Delivers high functionality for practical situations, in a small, lightweight (75g) package
- Visualizes pedaling state and efficiency through graphical displays of force vectors[*1]
  Enables new modes of training focused on pedaling skill development
- Displays over 100 data types, such as power, cadence, speed, and incline, all in real time
- Easy, intuitive touch-panel operation, even when wearing full-finger gloves
- Upload data to Cyclo-Sphere, our online data analysis service, via USB or Wi-Fi connection[*2]

PEDALING MONITOR SYSTEM

Visualise your pedaling, and it will lead you to new heights

PEDALING MONITOR SENSOR
SGY-PM910H

ANT+

- World's first[*3] high-precision measurement of force magnitude and force direction, every 30° of rotation, for each leg
- Supports SHIMANO FC-9000 and FC-6800 cranksets
- Improved support for various cycle frames, with thin-profile sensors and two types of rotation detector magnets
- Right-hand side transmitter cover included in metallic red and metallic gray finishes, to suit your style and frame color
- Simple maintenance operations for zero point calibration, battery replacement, and more

・Crank is not included

Data analysis web service **Cyclo-Sphere** https://cyclo-sphere.com/

*1 When used together with a pedaling monitor sensor. *2 Wi-Fi Internet connection required. *3 The "SGY-PM910H" is the first system to measure and display results for every 30° of pedaling rotation.
・ANT+™ is a low-powered wireless communications standard using the 2.4GHz range. ・The Wi-Fi CERTIFIED Logo is the WiFi Alliance's certification mark. ・Specifications and design are subject to change without notice.

PEDALING MONITOR SYSTEM

CYCLO COMPUTER SGX-CA500

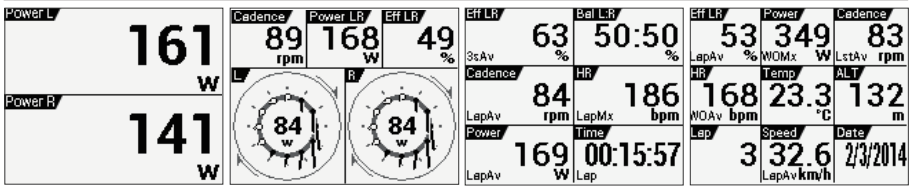
Slim, lightweight advanced form. Real-time display of over 100 types of data with support for ANT+™ and Wi-Fi.

Combined with Pedaling Monitor Sensors (SGY-PM910H, SGY-PM900H Series), this high-performance cyclocomputer visualizes an athlete's skills by graphically displaying the pedaling state. The small form-factor, lightweight body incorporates a touch screen, allowing intuitive control even with full-finger gloves, and is highly suited for practical situations such as training or races. Linking to ANT+™ compatible sensors enables real-time display of over 100 types of data. Wi-Fi *1 connectivity allows riders to upload log data to Cyclo-Sphere, our online data analysis service, without the need to hook up USB cables to a PC. Data can be accessed immediately on tablets or portable devices.

Touch panel operation with customizable screen
*Products pictured are a custom specification for the Belkin Pro Cycling Team

Upload log data via Wi-Fi connection

Data Field Type/Pattern List



■Data fields: 2 ■Data fields:5 ■Data fields:6 ■Data fields:9

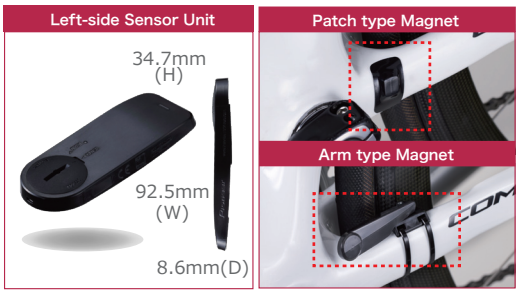
SPECIFICATION

●Weight : About75g ●Dimensions : 58mm(W)x58mm(H)x19mm(D)(without projection parts) ●Connector : microUSB ●Water-resistance : This device has a water resistance rating of IPX-6/IPX-7 ●Communications system(sensors) : ANT+™ standard ●Communications method (network) : Wi-Fi ●Positioning system(latitude/longitude) : GPS ●Positioning system(altitude) : Atmospheric pressure sensor ●Display:160x128 pixel, horizontal 1.87 inch outdoor type, Black and whiteTouch panel (resistive touch display) ●Built-in flash memory : 4GB (user available capacity 3GB) ●Guaranteed operational temperature range : -10 to 50℃ ●Charging temperature : 0 to45℃ ●Power supply voltage : DC 5V ●Battery type : Lithium-ion battery ●Battery operating time*2 : Approximately 12 hours ●Charging time : Approximately 4 hours (Power off or normal charging) ●Accessories : Bracket, USB cable, Strap, Quick Start Guide, Warranty card, Important Information for the User

PEDALING MONITOR SENSOR SGY-PM910H

A world first*3; high-precision measurements of pedaling force magnitude and force direction at twelve points, every 30° of rotation, for each leg. This thin-form-factor, lightweight sensor unit supports Shimano FC-9000 and FC-6800 cranksets.

By detecting minute changes in the flexing of the crankset during pedaling, the unit measures both force magnitude and "force direction" at twelve points, every 30° of rotation. Awareness of pedaling tendencies and habits allows athletes to identify issues for both training and competition situations. Sensors are easily installed, with thin-profile sensors and two types of rotation detector magnets providing support for a wide range of cycle frames.With IPX6/IPX7-equivalent waterproofing capable of withstanding the harshest conditions of top athlete trials, the unit provides high-precision data measurement anywhere you ride.To maintain high precision, zero point calibration is quick and easy. Through repeated calibration, the sensor will learn temperature characteristics and be able to automatically adjust to current temperatures.Batteries can easily be replaced, with one CR2032 button battery on each side (left and right).



SHIMANO FC-9000
- Crank lengths of 165,167.5,170,172.5,175,177.5,180mm.
- Crankset of 50-34T, 52-36T, 52-38T, 53-39T, 54-42T, 55-42T are compatible.

SHIMANO FC-6800
- Crank lengths of165,170,172.5,175mm.
- Crank set of 50-34T, 52-36T, 53-39T are compatible.

・Crank is not included

SPECIFICATION

●Weight :About 66 g ●External dimensions : Pedaling monitor sensor (right side): • Righttransmitter : 58.3mm(W)×46.1mm(H)×21.3mm(D) • Junctionbox,Straingaugeunitcover : 78mm(W)×36.7mm(H)×7.3mm(D) Pedaling monitor sensor (left side):92.5mm(W)×34.7mm(H)×8.6mm(D) ●Water-resistance : This device has a water resistance rating of IPX-6/IPX-7 ●Communications system(sensors) :ANT+™ standard ●Battery :CR2032 ●Battery operating time*2: Approximately 180 hours(normal temperature) ●Guaranteed operational temperature range : -10 to 50℃ ●Accessories:Magnet(Patch type,Arm type),Right transmitter cover(metallicgray), Batteries,Cableties,Hex screws,User's Manual,User's Manual ●Implemented crank:SHIMANO FC-9000 , SHIMANO FC-6800

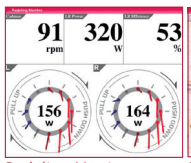
Data analysis web service Cyclo-Sphere

Shows maps, measured data and graphs, all in your browser.

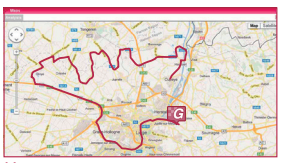
After races or training, data stored on the cyclocomputer can be uploaded to our data analysis web service, Cyclo-Sphere, providing detailed analysis of your ride route, left/right side power, pedaling efficiency, force vectors, and cadence. Combining the speed sensor with a heart rate sensor *4 provides even more ways to understand your skills, and offers insight to new training goals.

https://cyclo-sphere.com/

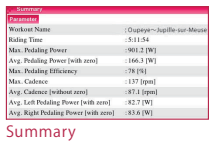
For details, please see Cyclo-Sphere Help.
https://cyclo-sphere.com/help



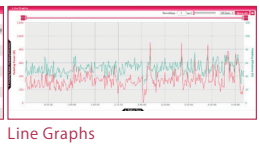
Pedaling Monitor



Maps



Summary



Line Graphs

*1 Wi-Fi Internet connection required. *2 The battery operating time may decrease depending on the operating conditions. *3 World first measurement of "force" and "direction of force" every 30° of rotation. *4 ANT+™ standard sensor required.

For more information, call or write to:

Please refer to our website for details of the Bottom Bracket Options. ▶ http://pioneer-cyclesports.com/

Specification and design are subject to change without notice.
Due to color reproduction in printing,
the product color may differ from the catalog.

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Pioneer

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