



# Bicycle Computer

**CY-528H**

Manual

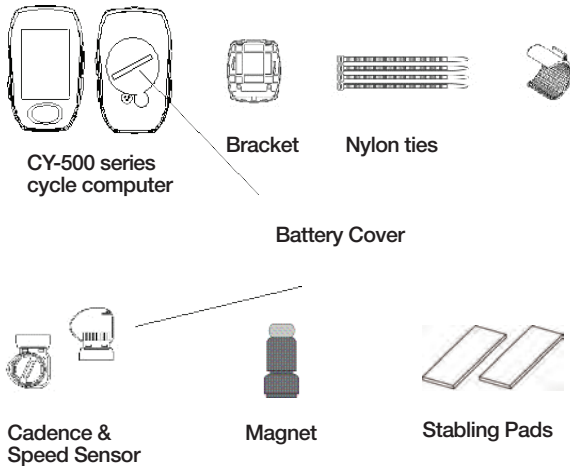
E

# Contents

<b>1. Item List</b>	<b>1</b>		
<b>2. Operation</b>			
2.1. Attaching bracket on the handle bar	2		
2.2. Attaching speed sensor/magnet on bicycle	3		
2.3. Wearing the chest belt for heart rate function	4		
<b>3. Nomenclature</b>	<b>5</b>		
<b>4. Main Screen Display</b>	<b>6</b>		
<b>5. Basic Setting</b>			
5.1. Setting Key Functions	7		
5.1.1. KM/H or ML/H	8		
5.1.2. TIMER COUNT UP or TIMER COUNT DOWN	8		
5.1.3. TRIP COUNT UP or TRIP COUNT DOWN	9		
5.1.4. CLOCK	9		
5.1.5. BIKE 1 or BIKE 2	10		
5.1.6. WHEEL SIZE	10		
5.1.7. TEMPERATURE	11		
5.1.8. Set GENDER / SEX	11		
5.1.9. Set KG or LB	11		
5.1.10. Set WEIGHT	12		
5.1.11. LANGUAGE	12		
5.2. HR target zone setting mode	13		
5.2.1. SET HR TZ	14		
5.2.2. SET AGE	14		
<b>6. Basic Function Indication</b>			
6.1. Heart Rate Functions	15		
6.1.1. Average Pulse	16	6.1.5. Heart Rate Over Time	17
6.1.2. Maximum Pulse	16	6.1.6. Heart Rate HR TM	17
6.1.3. Maximum Pulse %	16	6.1.7. Heart Rate Below Time	17
6.1.4. Heart Rate Time	16	<b>6.2. Mode Key Functions</b>	<b>18</b>
		6.2.1. STOPWATCH	19
		6.2.2. TIMER COUNT UP/TIMER COUNT DOWN	19
		6.2.3. TRIP TIME	20
		6.2.4. AVERAGE SPEED	20
		6.2.5. MAXIMUM SPEED	20
		6.2.6. TIME BIKE 1	20
		6.2.7. TIME BIKE 2	21
		6.2.8. TOTAL TIME	21
		6.2.9. TRIP COUNT UP/TRIP COUNT DOWN	21
		6.2.10. TRIP DISTANCE	22
		6.2.11. ODO BIKE1	22
		6.2.12. ODO BIKE2	22
		6.2.13. TOTAL ODO	23
		6.2.14. Calories	23
		6.3. Clear functions	24
		<b>7. Low Battery Indication</b>	<b>26</b>
		<b>8. Battery Replacement</b>	<b>26</b>
		<b>9. Troubleshooting</b>	<b>27</b>
		<b>10. Specifications</b>	<b>28</b>
		<b>11. Limited Warranty</b>	<b>29</b>
		<b>12. Important Health Notice</b>	<b>30</b>
		<b>13. Wheel Size Chart</b>	<b>31</b>

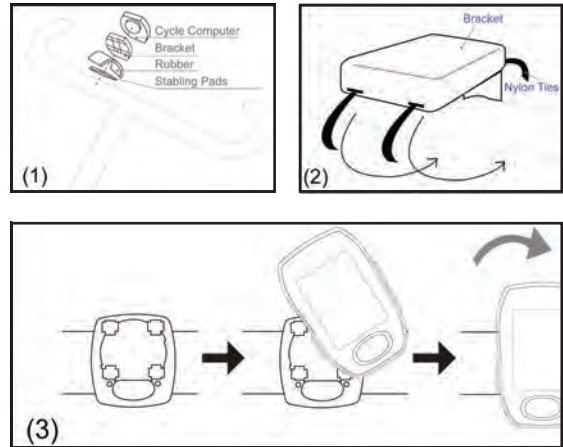
## Chapter 1 Item list

Please check that all the following items have been included with your cycle computer before starting.

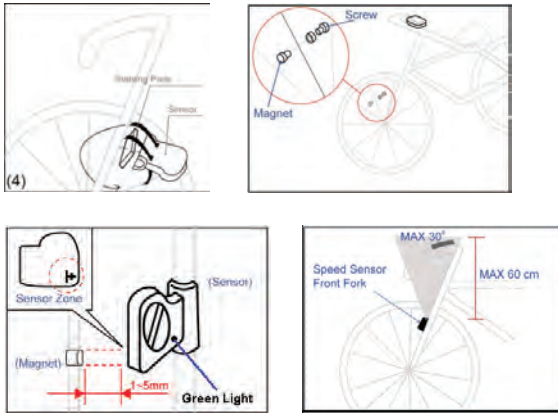


## Chapter 2 Operation

### 2.1 attaching bracket on the handle bar



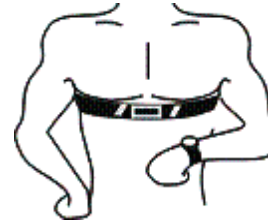
## 2.2 Attaching speed sensor/magnet on bicycle



Please check for green light on the Speed sensor to make sure 2 devices operated normally when riding your bicycle for the first time.

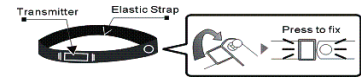
*Note: Please rotate the wheel to check the the sensor and magnet installation, initial flashing green light indicates the sensor detected magnet signals normally.*

## 2.3 Wearing the chest belt for heart rate function

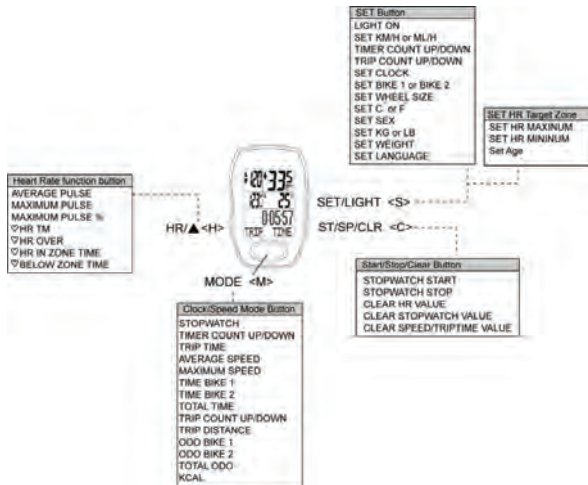


The transmitter should be positioned right below the breasts/ pectoral muscles. The strap should be comfortable, but secure.

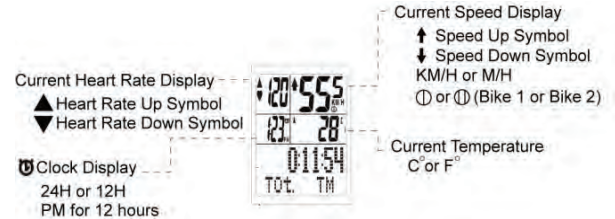
*Note: Transmitter will automatically get into "wake up" mode after the user wear it.*



## Chapter 3 Nomenclatur



## Chapter 4 Main Screen Display



## Chapter 5

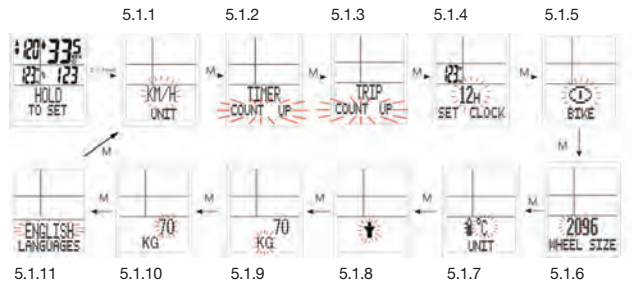
# Basic Setting

Prior to the uses of this device, it is important to pre-set the basic settings in order to gain accurate and useful information.

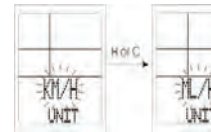
### 5.1 Setting Key Functions

- Press **[M]** key to get into clock/speed mode.
- Under any clock/speed functions, press **[S]** key for 3 seconds.

#### Screen Display Changes



#### 5.1.1 KM/H or ML/H



The user can select the unit for speed which will be displayed on the screen.

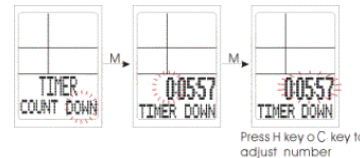
- Under KM/H or ML/H, press **[C]** key or **[H]** key to switch.
- Press **[M]** key to go to the next setting.

#### 5.1.2 TIMER COUNT UP or TIMER COUNT DOWN



The user can select TIMER COUNT UP or TIMER COUNT DOWN. After the selection of speed scale, COUNT UP / COUNT DOWN will display.

- Under TIMER COUNT UP or TIMER COUNT DOWN, press **[C]** key or **[H]** key to switch.



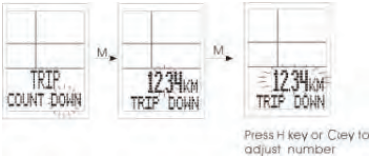
- Under TIMER COUNT DOWN, press **M** key to set up timer for TIMER COUNT DOWN.
- Press **[H]** key or **[C]** key to adjust number.
- Press **[M]** to go to the next setting.

## 5.1.3 TRIP COUNT UP or TRIP COUNT DOWN



The user can select TRIP COUNT UP or TRIP COUNT DOWN in the setting mode. After selects the function, it (TRIP UP / TRIP DOWN) will display.

- Under TRIP COUNT UP or TRIP COUNT DOWN, press **[C]** key or **[H]** key to switch.



- Under TRIP COUNT DOWN, press **[M]** key to set up distance for TRIP COUNT DOWN.
- Press **[H]** or **[C]** key to adjust number.
- Press **[M]** to go to the next setting.

*Note: The range of distance (0-999.99 KM/H and 0-624.99 M/H)*

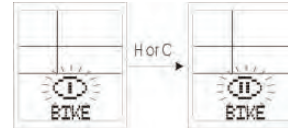
## 5.1.4 CLOCK



Under SET CLOCK

- Press **[H]** key or **[C]** key to adjust number (12H, 24H, hour, minute, second).
- Press **[M]** to go to the next setting.

## 5.1.5 BIKE 1 or BIKE 2



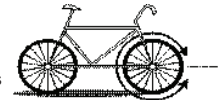
CY-528H has two bike settings, it allows the user to set two different bike wheel sizes.

Under BIKE 1 or BIKE 2

- Press **[H]** key or **[C]** key to adjust number
- Press **[M]** to go to the next setting.

## 5.1.6 WHEEL SIZE

To get the accurate result from the device for speed value or other information, the wheel size must be correct. Mark the symbol on the tire and ride one circle. Then measure the length between two points that result comes out. Or determine the wheel circumference by the following equation:



Circumference (mm) =  $2 \times 3.14 \times R$  (inch)  $\times 2.54$  (1 inch = 2.54 cm)  
R=Radius in centimeter

Please also refer the “**wheel size chart**” on the last page to find out the wheel size.



Under WHEEL SIZE

- Press **[H]** key or **[C]** key to adjust number
- Press **[M]** to go to the next setting.

## 5.1.7 TEMPERATURE



The user can select temperature unit (°C or °F) that will be display on the screen.

Under Temperature

- Press **[A]** key or **[C]** key to adjust number.
- Press **[M]** to transfer next setting!

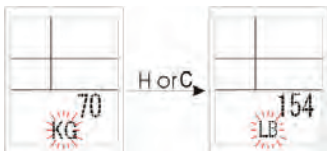
## 5.1.8 Set Sex



Under Set Sex

- Press **[H]** or **[C]** key to adjust symbol of male or female.
- Press **[M]** to go to the next setting.

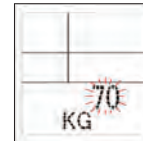
## 5.1.9 Set KG or LB



Under Set KG or LB

- Press **[H]** or **[C]** key to adjust weight symbol.
- Press **[M]** to go to the next setting.

## 5.1.10 Set Weight



Under Set Weight

- Press **[H]** or **[C]** key to adjust number.
- Press **[M]** to go to the next setting.

## 5.1.11 LANGUAGE



CY- 528H offers 5 different languages (ENGLISH, FRANCAIS, DEUTSCH, ITALIANOL, ESPANOL) for the user to choose, after selecting the preferred language, all the displays will change to the chosen language.

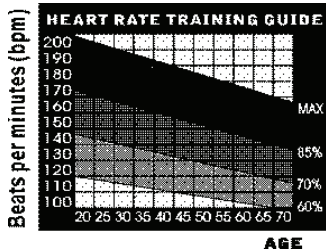
Under LANGUAGE

- Press **[H]** or **[C]** key to switch language.
- Press **[M]** to go to the next setting or press **[S]** key for 3 seconds to exit setting mode.

*Note: under any setting mode, the user may press **[S]** for 3 seconds to exit setting mode*



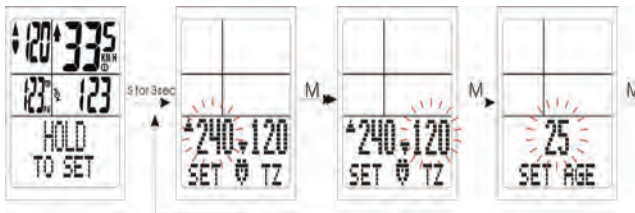
## 5.2 HR Target Zone Setting Mode



Target zone will vary for each individual user depending on age, personal fitness goals, existing health considerations (high blood pressure, circulation or respiration), medications and doctor's recommendations.

### Training Areas:

- 50% - 60% Maintain Fitness
- 60% - 70% Endurance
- 70% - 80% Slight Resistance
- 80% - 90% Sustained Resistance



### 5.2.1 SET ♥ TZ

- Press **[H]** key to access heart rate function mode.
- Under any heart rate function, press **[S]** key for 3 seconds.



### Under the SET ♥ TZ

- Press **[H]** or **[C]** key to adjust the maximum heart rate limit.
- Press **[M]** key to go into minimum heart rate setting.
- Press **[H]** or **[C]** key to adjust the minimum heart rate limit.
- Press **[M]** key to go to the next setting.

### 5.2.2 AGE

To get more accurate target zone result, it is necessary to set up the user's age.



### Under AGE

- Press **[H]** or **[C]** key to adjust the age.
- Press **[M]** key to go to the next setting or press **[S]** key for 3 seconds to exit setting mode.

Note: under any setting mode, the user may press **[S]** for 3 seconds to exit setting mode

## Chapter 6

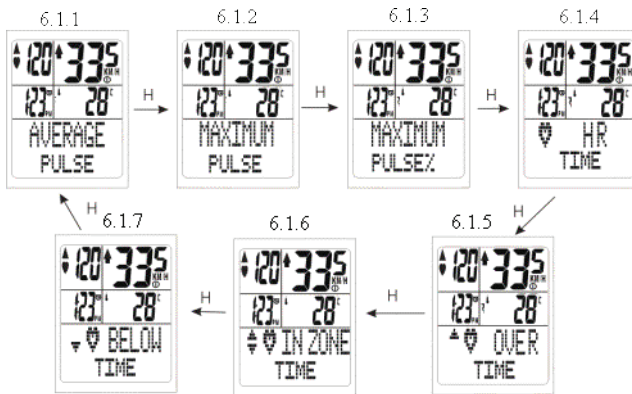
# Basic Functions Indication

CY-528H is equipped with several different features that include independent functions and mode for cycling. Before starting to use the device, it is suggested and would be much more user friendly once the user has a thorough understanding of the functions.

### 6.1 Heart Rate Functions

- Press **[H]** key to go to heart rate functions.

#### SCREEN DISPLAY CHANGES



#### 6.1.1 AVERAGE PULSE

Displays the average measured pulse.



#### 6.1.2 MAXIMUM PULSE

Displays the maximum measured pulse.



#### 6.1.3 MAXIMUM PULSE %

Displays the maximum measured pulse in %.



#### 6.1.4 HR

Displays time spent for heart rate. Heart rate time will be recorded after wearing chest belt and starts to ride bicycle.



## 6.1.5 OVER TIME

Displays amount of time that is over the user's target zone.



## 6.1.6 HR TM

Displays amount of time spent within the user's target zone.



## 6.1.7 BELOW TIME

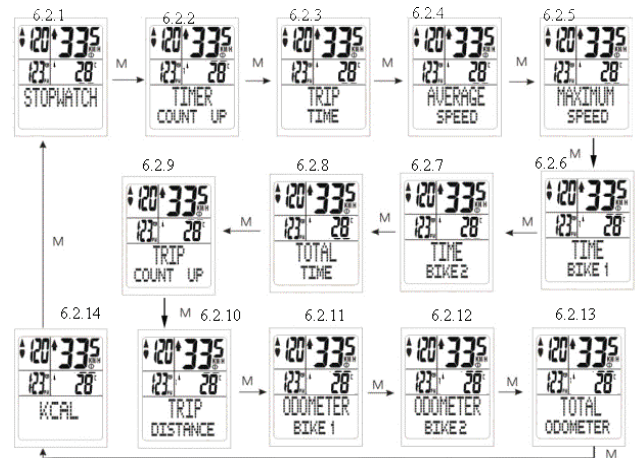
Displays amount of time that is below the user's target zone.



## 6.2 Mode Key Function

- Press **[H]** key to go to heart rate functions.

### SCREEN DISPLAY CHANGES



## 6.2.1 STOP WATCH

The user can press **[C]** key to start or stop stopwatch,  
To clear the time by holding **[C]** key for 5 seconds.



## 6.2.2 TIMER COUNT UP/TIMER COUNT DOWN

Timer count up: The timer will increase once the user starts to ride bicycle.  
Timer count down: The timer will decrease towards zero once the user starts to ride bicycle.

*The user can set up the count down time in the setting mode.*



*NOTE: The user can select count up or count down in the setting mode. After selecting the display method, it (TIMER COUNT UP / TIMER COUNT DOWN) will display.*

## 6.2.3 TRIP TIME

Displays the user's trip time from the beginning to the current point.



## 6.2.4 AVERAGE SPEED

Displays the user's average speed from the beginning to the current point.



## 6.2.5 MAXIMUM SPEED

Displays the user's maximum speed from the beginning to the current point.



## 6.2.6 TIME BIKE 1

Displays the total riding time for Bike.



## 6.2.7 TIME BIKE 2

Displays the total riding time for Bike2



## 6.2.8 TOTAL TIME

Displays the total riding time ( Bike 1+ Bike 2)



## 6.2.9 TRIP COUNT UP/TRIP COUNT DOWN

Trips count up: The distance will increase once the user starts to ride bicycle.

Trips count down: The distance will decrease once the user starts to ride bicycle.

*The user can set up the count down distance in the setting mode.*



*NOTE: The user can select count up or count down in the setting mode. After selecting the display method, it (TRIP COUNT UP / TRIP COUNT DOWN) will display.*

## 6.2.10 TRIP DISTANCE

Displays the user's trip distance from the beginning to the current point.



## 6.2.11 ODO BIKE 1

Displays the odometer under first wheel size.



## 6.2.12 ODO BIKE 2

Displays the odometer under second wheel size.



*NOTE: The ODO number can only be cleared by replacing battery.*

## 6.2.13 TOTAL ODO

Displays the total odometer of bike1 + bike 2



NOTE: The ODO number can only be cleared by replacing battery.

## 6.2.14 KCAL



## 6.3 Clear Functions

Pressing **[C]** key (clear button) to clear all the numbers to zero.

### Clear the measured value for TIMER COUNT UP/DOWN function

Under TIMER COUNT UP press **[C]** key for 3 seconds will return to zero. TIMER COUNT DOWN press **[C]** key for 3 seconds will return to default.



### Clear the measured value for TRIP COUNT UP/DOWN function

Under TRIP COUNT UP press **[C]** key for 3 seconds will return to zero. TRIP COUNT DOWN press **[C]** key for 3 seconds will return to default.



# Low Battery Indication

### Clear the measured value for speed function

Under TRIP TIME, press **[C]** key for 3 seconds.

TRIP TIME, AVG. SPEED, MAX. SPEED, TRIP DIST, AVG. PULSE, MAX. PULSE, MAX PULSE %, PULSE TM, Target Zone (ABOVE, IN ZONE, BELOW) will return to zero.



### Clear the measured value for Pulse functions

Under HR TM, press **[C]** key for 3 seconds.

AVG. PULSE, MAX. PULSE, MAX. PULSE %, HR TM, Target Zone (ABOVE, IN ZONE, BELOW) will return to zero!



In CY-528, a sign of low power under any mode will show to indicate low battery.



Low power for speed sensor if this symbol appears

Low power for chest belt if this symbol appears

Low power for computer if this symbol appears

# Battery Replacement

### CY-500 series computer:

Unscrew the back cover. The (+) side should be facing up. Gently remove the battery and replace it with a new battery model CR2032.

### Sensor:

Unscrew the back cover. The (+) side should be facing up. Gently remove the battery and replace it with a new battery model CR2032.

## Chapter 9

# Troubleshooting

### Q1. Display is black or very light:

The battery power may be low. Try a new battery to make sure the battery is installed correctly.

### Q2. Display becomes dark or black:

The unit is too hot. Place the unit in a shaded area, and it will return to normal.

### Q3. The unit operates slowly or struggled:

The unit is too cold. Warm the unit, and it will return to normal.

### Q4. Date in display varies enormously:

Check your surroundings for electro magnetic or high energy interference and move away from the source of interference.

### Q5. Data in display shows slowly:

The unit may be affected by low temperature factor but it didn't influence the function reading. When the temperature rises, the data reading/ witch will back to the normal.

### Q6. Current speed does not appear

It may be caused by the following situation: the distance & position between magnet and sensor to adjust or low battery power.

## Chapter 11

# Specifications

	Receiver	Speed Censor / Cadence	Transmitter & Belt
<b>Operating Temperature</b>	0 °C~ 40 °C	0 °C~ 40 °C	0 °C~ 40 °C
<b>Storage Temperature</b>	-10 °C~ 50 °C	-10 °C~ 50 °C	-10 °C~ 50 °C
<b>Emitted Frequency</b>	2.4GHz	2.4GHz ± 5%	2.4GHz ± 10%
<b>Battery</b>	3 volt lithium 2032cell	3 volt lithium 2032cell	3 volt lithium 2032cell
<b>Weight</b>	30.6 grams	20 grams	65 grams ± 10% (including belt)

**Stopwatch Range: 0-29 (hour): 59 (minute): 59 (Second)**

**Accuracy 1/100 seconds**

**Timer Range: 0-29 (hour): 59 (minute): 59 (Second)**

**Current Speed Range: 0-99.9 KM/ 0-62 Mile**

**AVG Speed Range: 0-99.9 KM/ 0-62 Mile**

**MAX Speed Range: 0-99.9 KM/ 0-62 Mile**

**(Trip) Distance Range: 0-999.99 KM/0-600 Mile**

**Odometer Range: 0-99999 KM/ 0-62000 Mile**



**Chapter 11**

# Limited Warranty

**This product is for three years limited warranty commencing on the date of purchase. The product will be free from defects in material and workmanship for three years from the date of purchase.**

- Warranty does not cover the batteries, damages due to misuse, abuse or accidents, cracked or broken cases, negligence of precautions, improper maintenance or commercial use.
- Warranty is void if the repairs are done by non authorized service technician.
- The warranties contained herein are expressly in lieu of any other warranties including implied warranty of merchantability and/ or fitness for purpose. In no event shall manufacturer be liable for any damages, direct or incidental, consequential or special, arising out of or related to the use of this manual or the products described herein.
- During this warranty period (three years) the product will either be repaired or replaced without charge.

**Chapter 12**

# Important Health Notice

**Please read over the following information before using the Cycle Computer.**

- Never use the cycle computer in combination with other medical/implanted electronic equipment and device (especially heart pacemakers, EKG equipment, TENS equipment, cardio-pulmonary machines and pacemaker.)
- If you are severely ill or pregnant, please consult your doctor before using cycle computer.
- Keep this device away from children. It contains batteries, which might be swallowed by children.
- As with most electronic receiving devices, there can sometimes be interference that causes inaccurate display readouts. Avoid using your cycle computer near common sources of interference. These include high voltage power lines, air conditioning motor units, fluorescent lights, wristwatches, mobiles, and computers.

**Chapter 13**

# Wheel Size Chart

Tire Scale	L (mm)
14 x 1.50	1020
14 x 1.75	1055
16 x 1.50	1185
16 x 1.75	1195
18 x 1.50	1340
20 x 1.75	1515
20 x 1-3/8	1615
20 x 1-3/8	1770
22 x 1-1/2	1785
24 x 1	1753
24 x 3/4 Tubular	1785
24 x 1-1/8	1795
24 x 1-1/4	1905
24 x 1.75	1890
24 x 2.00	1925
24 x 2.125	1965
26 x 7/8	1920
26 x 1(59)	1913

Tire Scale	L (mm)
26 x 1(65)	1952
26 x 1.25	1953
26 x 1-1/8	1970
26 x 1-3/8	2068
26 x 1-1/2	2100
26 x 1.40	2005
26 x 1.50	2010
26 x 1.75	2023
26 x 1.95	2050
26 x 2.00	2055
26 x 2.10	2068
26 x 2.125	2070
26 x 2.35	2083
26 x 3.00	2170
27 x 1	2145
27 x 1-1/8	2155
27 x 1-1/4	2161
27 x 1-3/8	2169

Tire Scale	L (mm)
650 x 35A	2090
650 X 38A	2125
650 X 38B	2105
700 X 18C	2070
700 X 19C	2080
700 X 20C	2086
700 X 23C	2096
700 X 25C	2105
700 X 28C	2136
700 X 30C	2170
700 X 32C	2155
700C Tubular	2130
700 X 35C	2168
700 X 38C	2180
700 X 40C	2200



produced for

**Accell-Group N.V., Heerenveen**

info@xlc-parts.com

<http://www.xlc-parts.com>