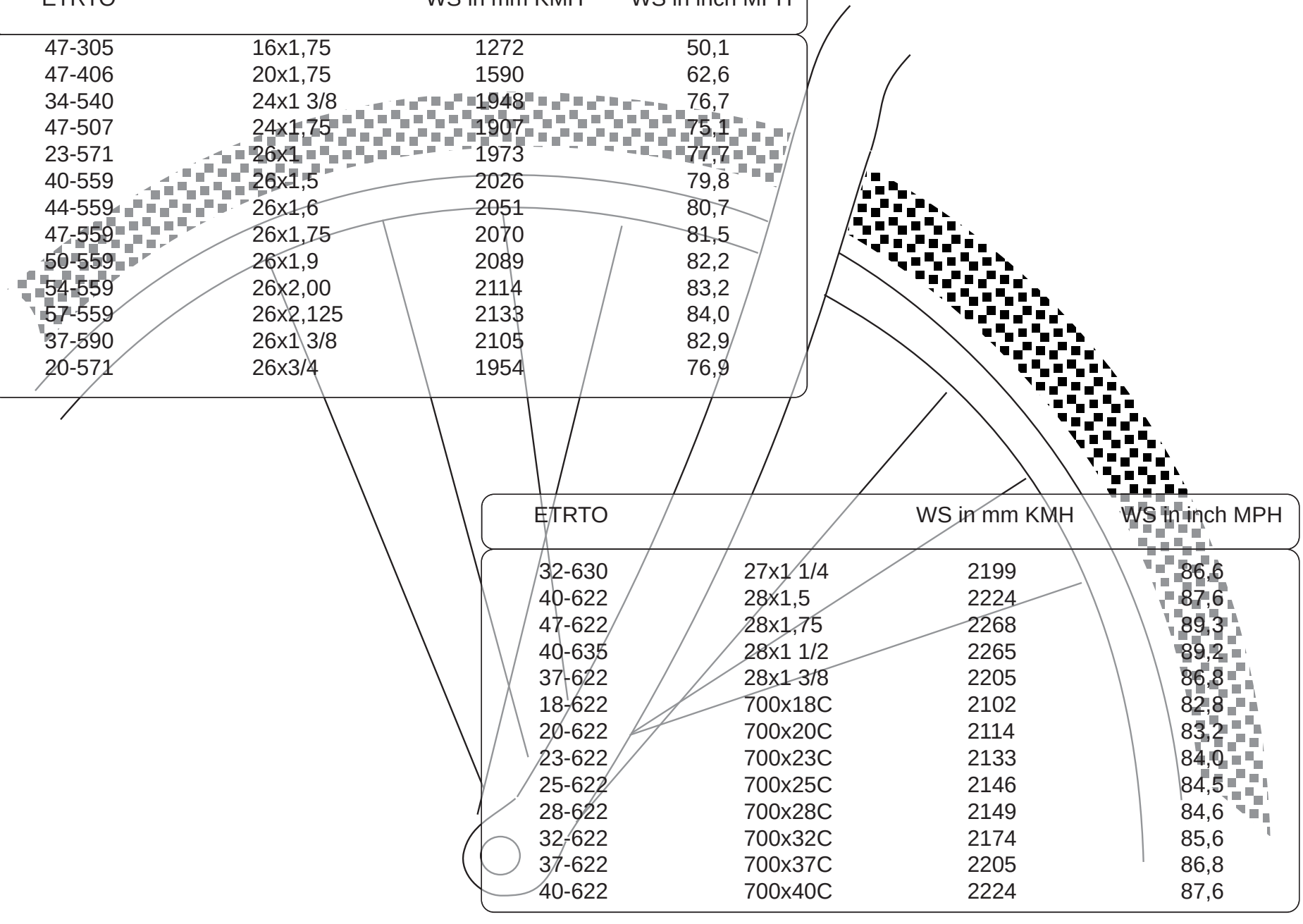


ETRTO		WS in mm KMH	WS in inch MPH
47-305	16x1,75	1272	50,1
47-406	20x1,75	1590	62,6
34-540	24x1 3/8	1948	76,7
47-507	24x1,75	1907	75,1
23-571	26x1	1973	77,7
40-559	26x1,5	2026	79,8
44-559	26x1,6	2051	80,7
47-559	26x1,75	2070	81,5
50-559	26x1,9	2089	82,2
54-559	26x2,00	2114	83,2
57-559	26x2,125	2133	84,0
37-590	26x1 3/8	2105	82,9
20-571	26x3/4	1954	76,9

ETRTO		WS in mm KMH	WS in inch MPH
32-630	27x1 1/4	2199	86,6
40-622	28x1,5	2224	87,6
47-622	28x1,75	2268	89,3
40-635	28x1 1/2	2265	89,2
37-622	28x1 3/8	2205	86,8
18-622	700x18C	2102	82,8
20-622	700x20C	2114	83,2
23-622	700x23C	2133	84,0
25-622	700x25C	2146	84,5
28-622	700x28C	2149	84,6
32-622	700x32C	2174	85,6
37-622	700x37C	2205	86,8
40-622	700x40C	2224	87,6

Preface

Thank you for buying a VDO CYTEC bicycle computer. The more familiar you get with this model, the more enjoyable your trips are going to be.

Please read thoroughly all the information provided in this manual. You are getting important and useful hints for operation to make you fully benefit from all the technical features of your VDO CYTEC bicycle computer.

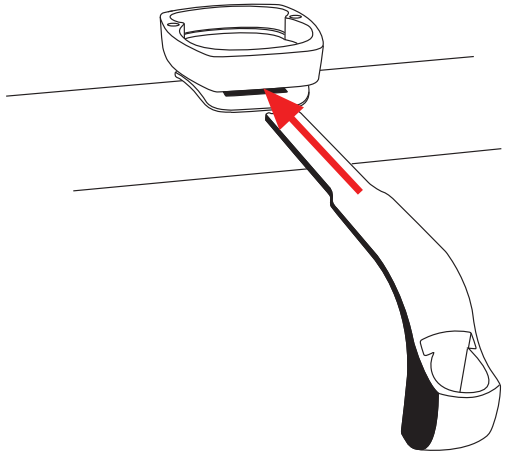
We wish you enjoyable trips and rides on your bike with VDO CYTEC
CYCLE PARTS GMBH

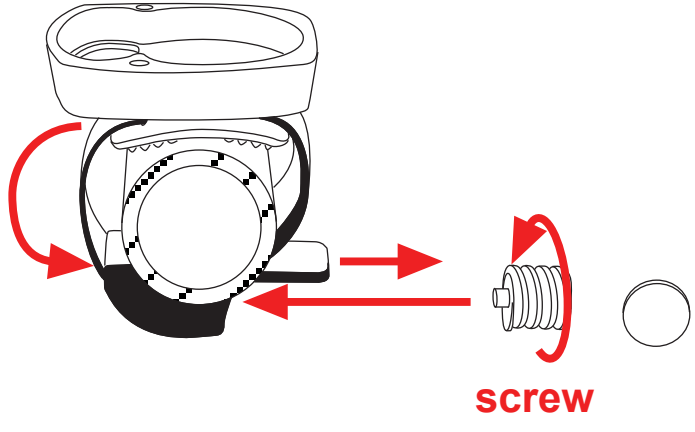
Mounting the system

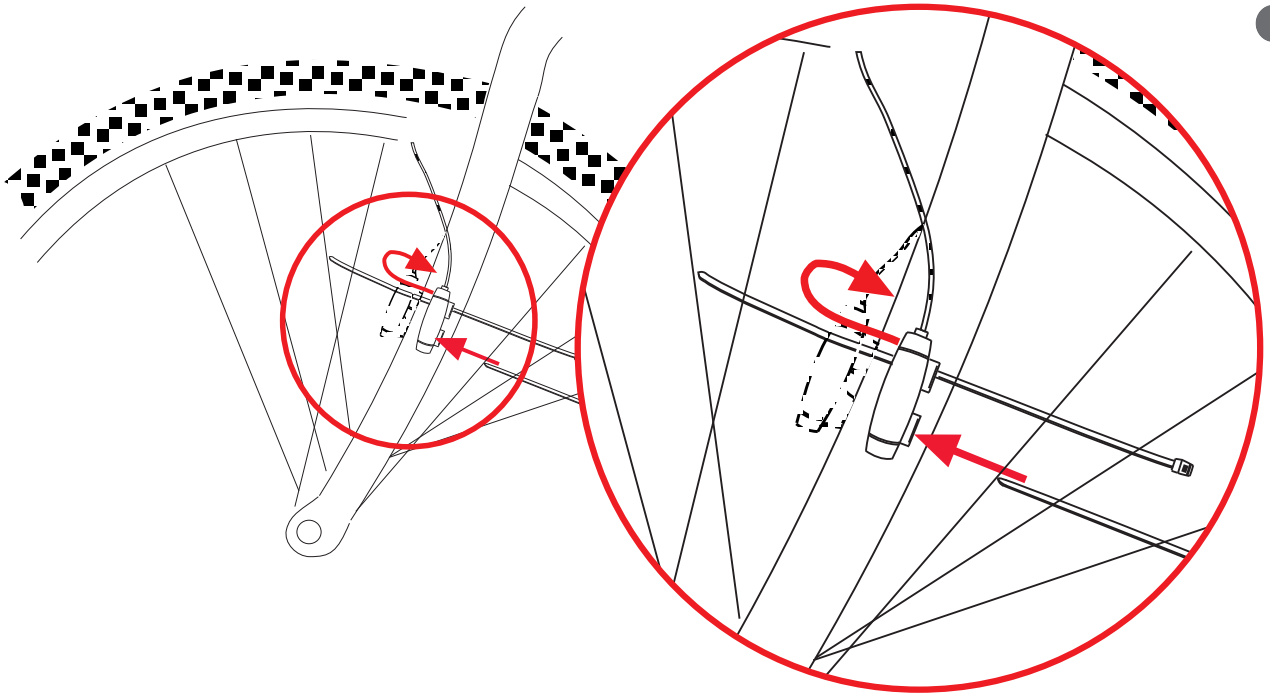
1. Mounting the handlebar holder

The handlebar holder fits handlebars of any diameter. Before mounting the system, decide if you will be using your left or right hand to operate the computer and then mount the handlebar holder on the respective side. Position the handlebar holder, insert the strap and adjust it by tightening the screw.

Warning: Before tightening the handlebar holder, make sure to adjust the position of the computer head (inclination) when the LCD-display is best visible for you. Only when you find the best position tighten the screw.







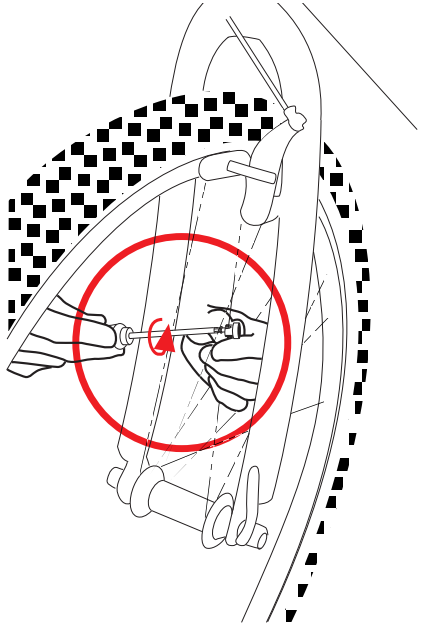
2. Mounting the speed transmitter

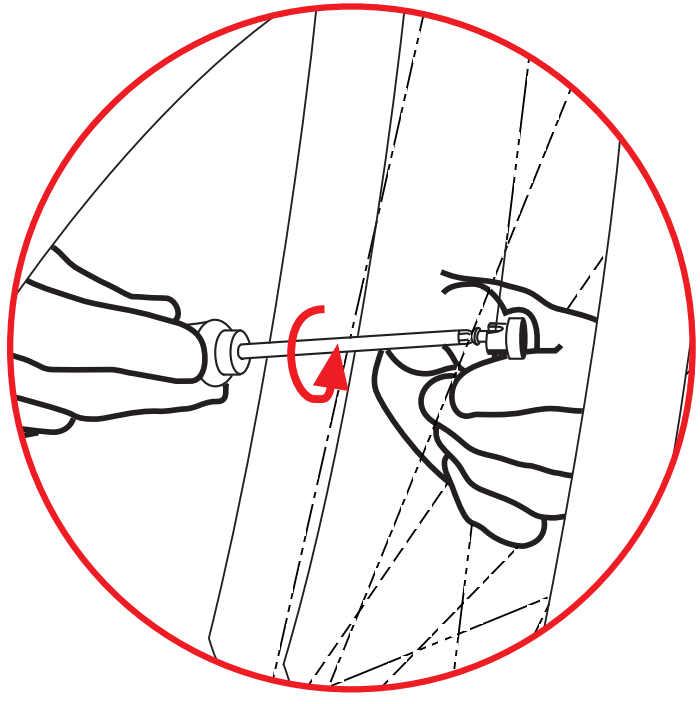
The sensor should be mounted on the same side of the fork as the holder is on the handlebar.

Watch out: Do not tighten the cable ties yet! Accurately position the spoke magnet and the sensor first, then tighten the cable ties.

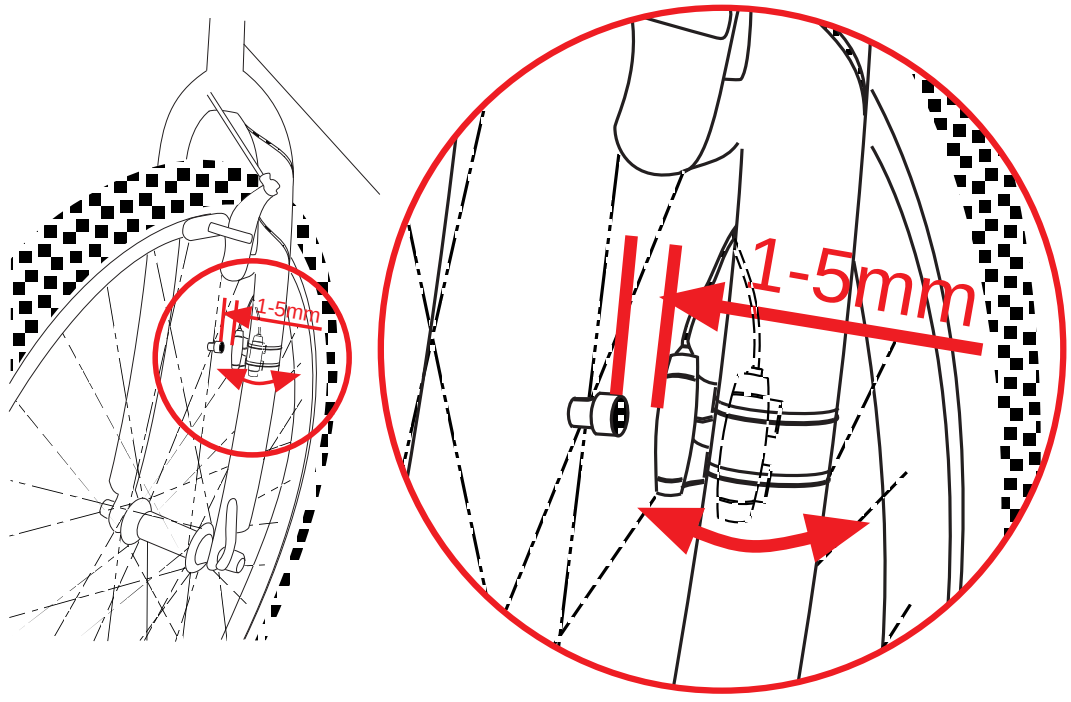
3. Mounting the spoke magnet

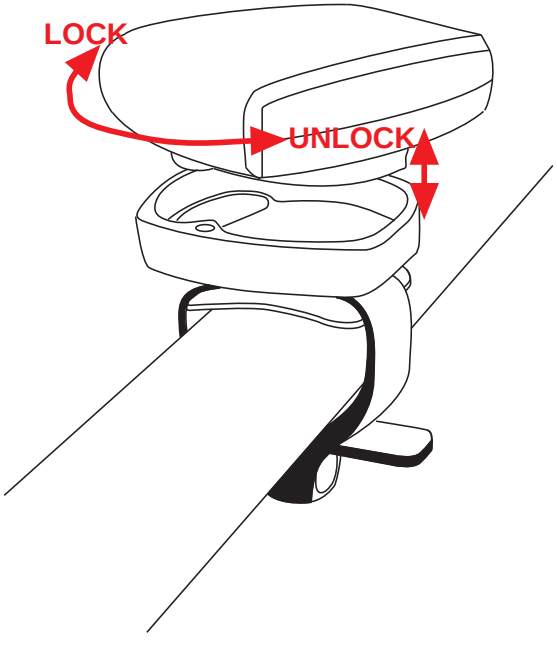
Distance between magnet and sensor should be approx. 1-5 mm.





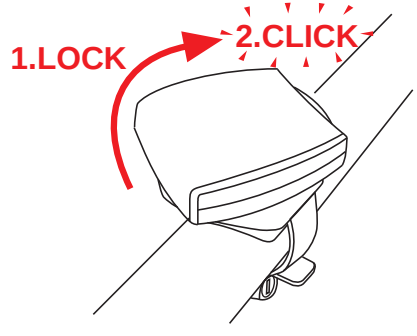
In case this distance is not achievable in the current positioning, slide the sensor and the magnet on the fork or spoke accordingly.

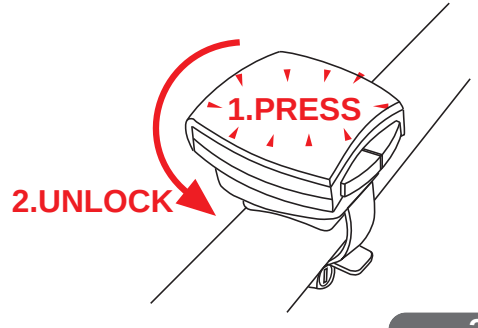




4. Twist-Click mounting of computer onto holder

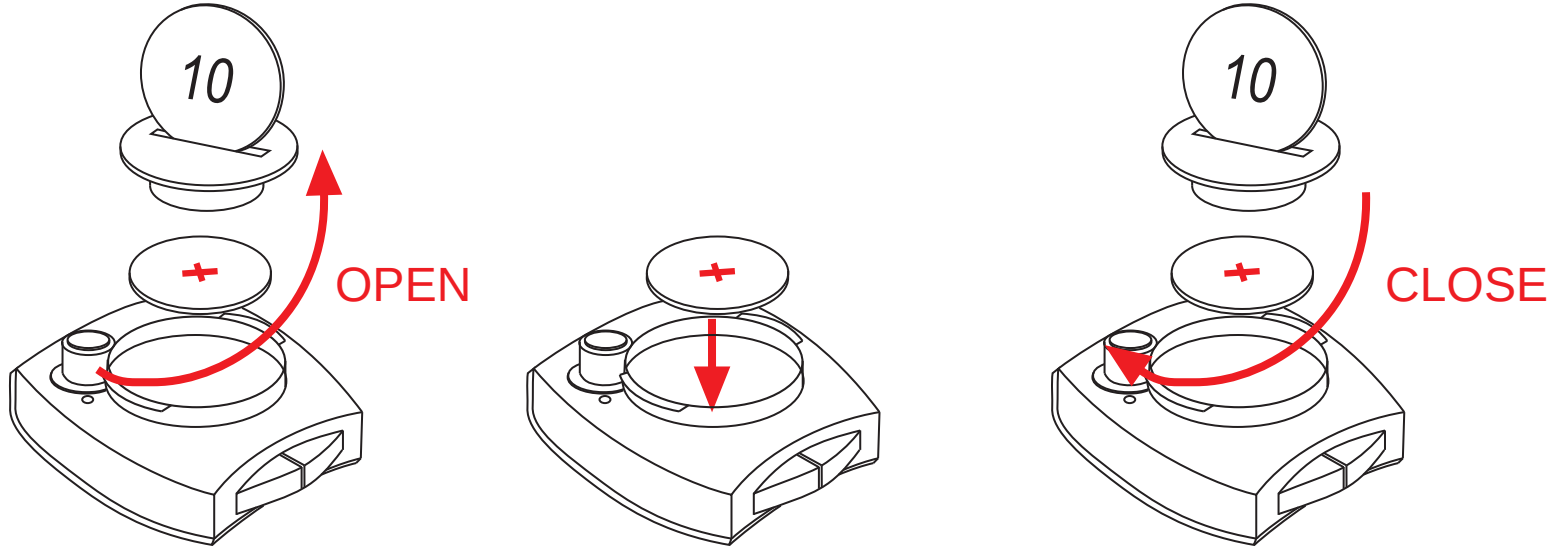
The Twist-Click mounting has been exclusively developed for the new line of VDO CYTEC computers. The computerhead is put onto the handlebar and by a right turn of the computerhead (**TWIST**) fixed to the holder (**CLICK**). It is just as easy to remove the computerhead from the handlebar holder. Slightly push the computerhead down, twist it to the **left**, remove computerhead from handlebar holder.



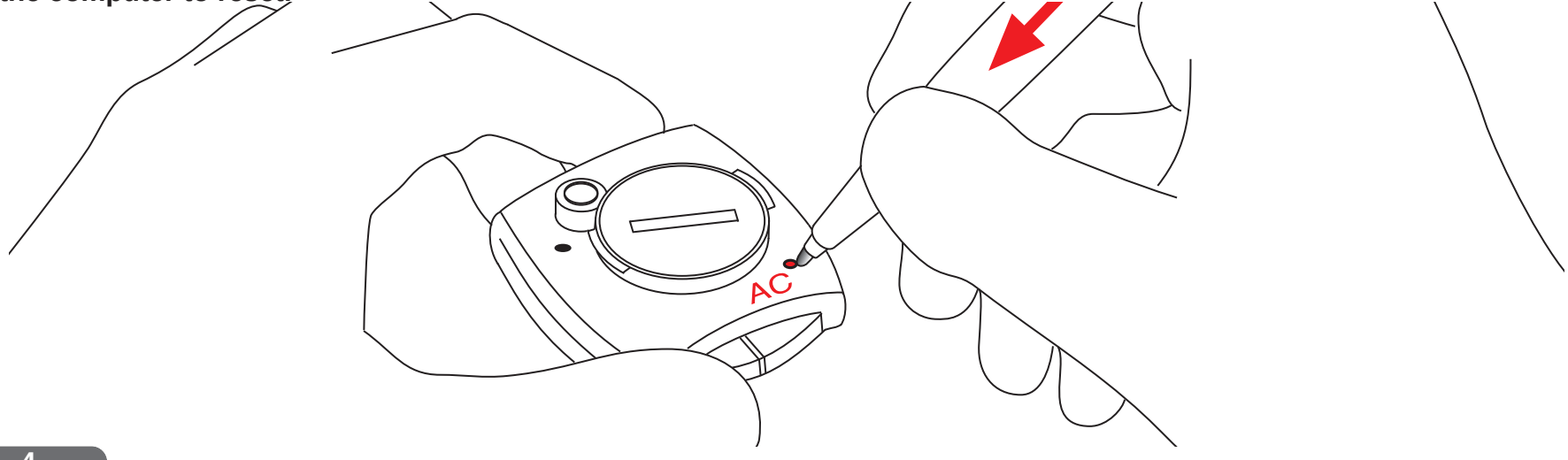


5. Installing battery into computer head

To save battery power, your VDO CYTEC comes with the battery not yet fitted. Prior to initial use you have to install the battery first.



If you find the computer is not functioning properly after a battery change, push the AC-button (Auto Clear) on the rear side of the computer to reset.



6. Information features of your VDO CYTEC C 08

Your VDO CYTEC C 08 provides you with following information:

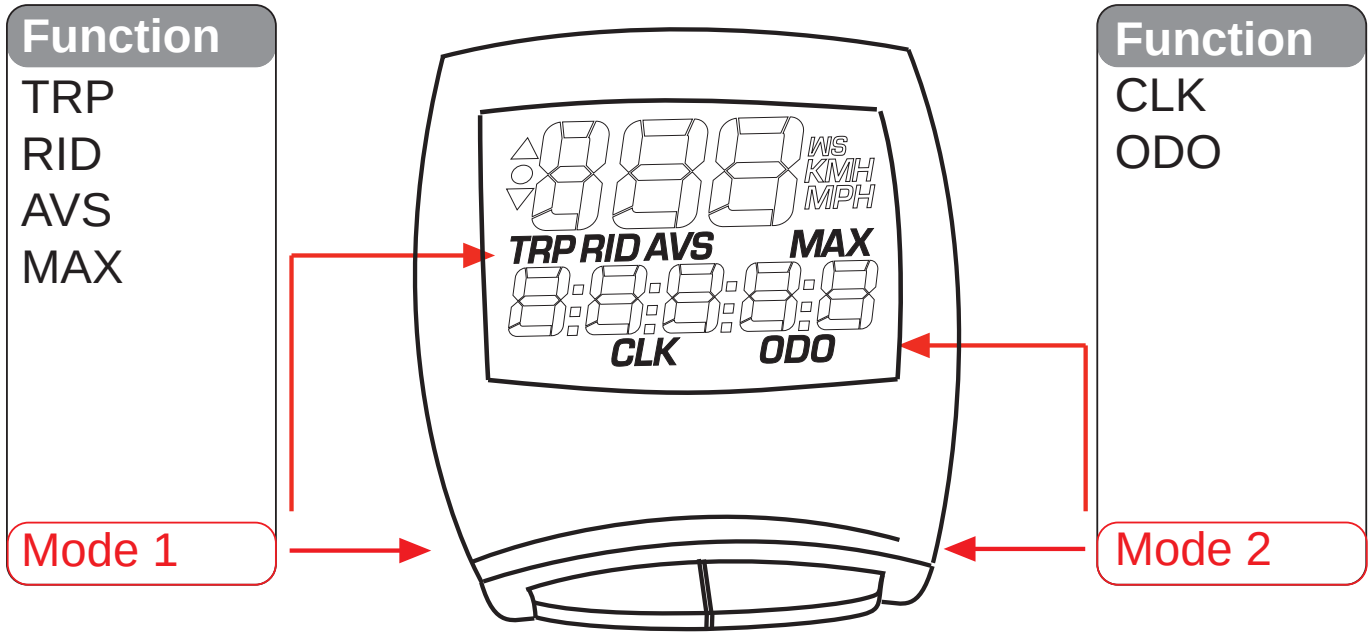
KMH-MPH	current speed indicated in either KMH or MPH, featuring automatic conversion into MPH
TRP	trip counter**,** counts your trip distance up to 999,99 km or miles.
RID	trip timer, keeps track of the actual riding time featuring automatic start/stop function, up to 9:59:59 (hrs:min:sec)
AVS	average speed, accurate to two decimal points.
MAX	maximum speed, achieved during a ride, accurate to two decimal points.
▲●▼	permanent comparison of current and average speed. Deviations are indicated by up/down arrows in the display.
CLK	clock with 12 h or 24 h selectable display mode.
ODO	odometer, counting distance ridden up to 99,999 KM or M.

7. Operating your VDO CYTEC C 08

Button / Key Covering

Your VDO CYTEC C 08 has **2** buttons / keys

Mode 1, Mode 2

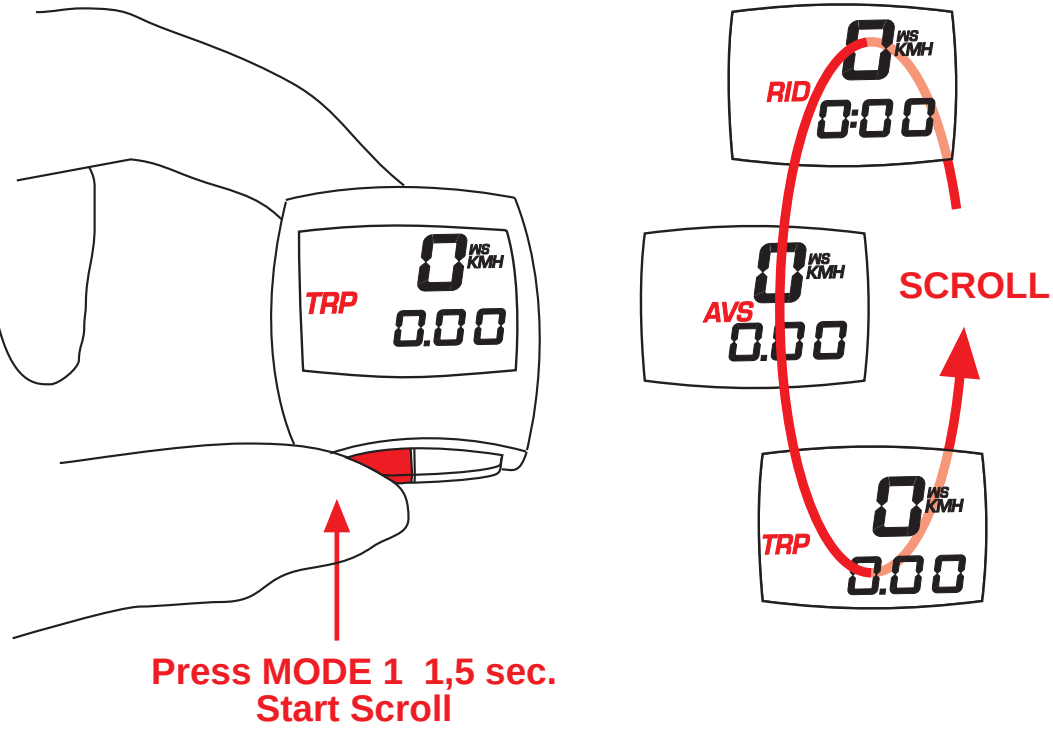


These buttons / keys have several functions.
All functions of the respective buttons / keys outlined in the following chart below.

Your display indicates following information	Button / Key to be pushed	Length of pushing the button / key	What is going on?
TRP-AVS-RID-MAX	**MODE 1**	brief (0.1 sec)	next information from MODE 1 is indicated.
CLK- ODO	**MODE 1**	brief (0.1 sec)	computer changes display information from MODE 2 data to TRP-data of MODE 1
TRP-RID-AVS	**MODE 1**	normal (1.5 sec.)	TRP-RID-AVS are automatically rotated, one at a time displayed for 1.5 sec.
TRP	**MODE 1**	long (5 sec)	enter set-up mode for wheelsizes.
CLK	**MODE 1**	long (5 sec)	enter set-up mode for clock.
ODO	**MODE 1**	long (5 sec)	enter set-up mode for odometer.
CLK- ODO	**MODE 2**	brief (0.1 sec)	next information from MODE 2 is indicated.
TRP-RID-AVS-MAX	**MODE 2**	brief (0.1 sec)	computer changes display information from MODE 1 data to MODE 2 data. CLK always being the first information indicated.
TRP-RID-AVS-MAX	**MODE 2**	long (5 sec)	TRP-AVS-RID-MAX information reset to zero.

8. Scroll function

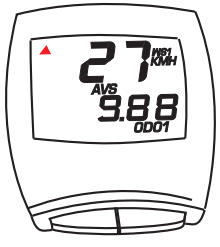
To provide any information at a glance, your VDO CYTEC C 08 features a scroll function. Calling up the scroll function automatically displays information for a period of 1.5 sec. Scroll function may be called upon if any of the following information is on display: TRP-AVS-RID.
Scroll function is activated by pressing the MODE 1 button for 1.5 sec.



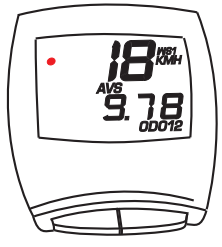
9. Comparison of current and average speed

Your VDO CYTEC C 08 compares your current speed with your average speed. The outcome of this comparison can be seen in your display by the use of symbols. No matter which information is currently displayed, this data keeps you updated on the relation of your current speed and your average speed.

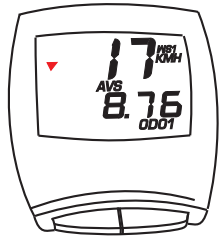
▲ Your current speed is faster than your average speed. Accuracy +/- 1 KMH/MPH



● You are currently riding as fast as your average speed. Accuracy +/- 1 KMH/MPH



▼ Your current speed is slower than your average speed. Accuracy +/- 1 KMH/MPH



10. Set-up mode

Your VDO CYTEC C 08 features the following set-up procedures

wheelsize = WS	→	set-up starts out of TRP in display
clock = CLK	→	set-up starts out of CLK in display
odometers = ODO	→	set-up starts out of ODO in display

No matter which set-up mode is used for your VDO CYTEC , the procedure is the same.

You can start the set-up mode for a certain display by pressing the MODE 1 button for 5 sec. With this MODE button you may also exit the set-up mode at any time.

Once the set-up mode is activated, MODE 1 and MODE 2 buttons are covered with following instructions:

MODE1 **changing from one enter display to the next enter display**
MODE2 **selection of figure to be entered, changing from KMH to MPH mode**

11. Entering your wheelsize

Your VDO CYTEC identifies wheelsize as WS = wheelsize.

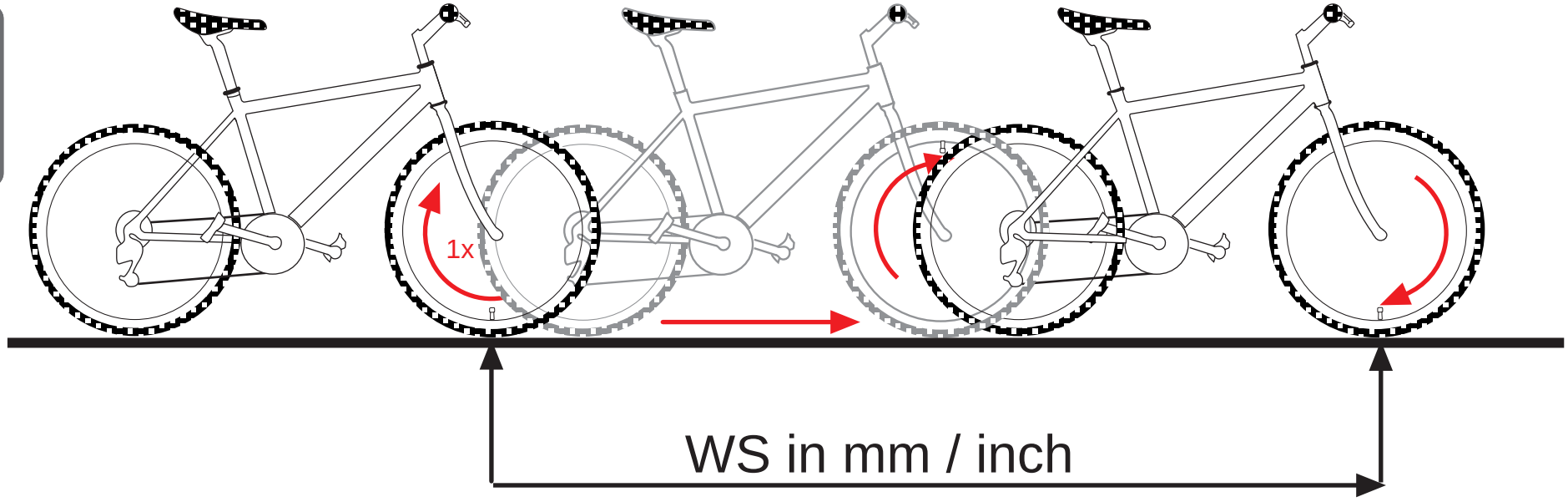
following default is entered
wheelsize = WS = 2155 mm

Watch out: Above default is automatically applied after a battery change.

After a battery change, the correct wheelsize for your bike has to be re-entered

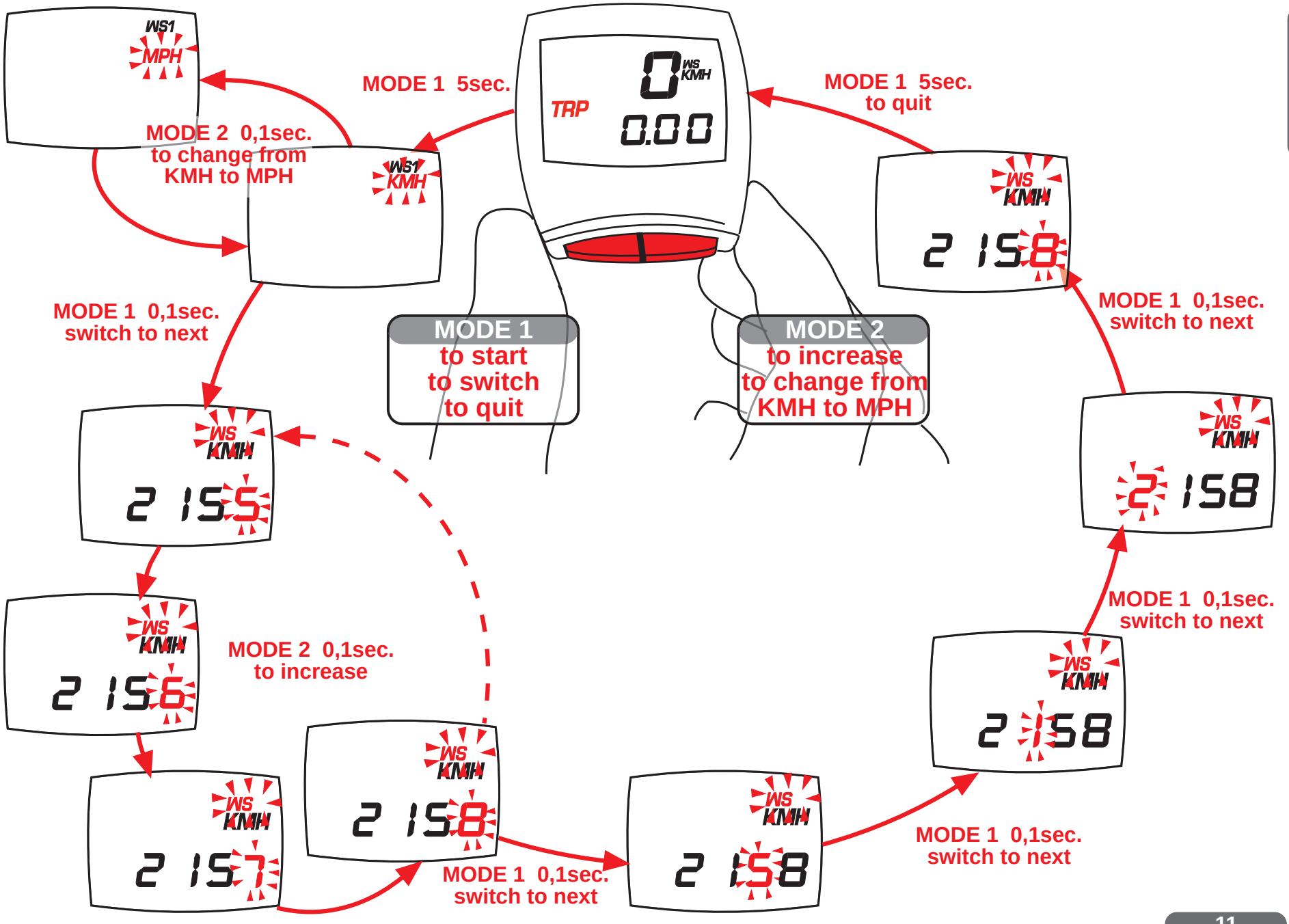
How is the wheelsize precisely determined?

Place the front wheel of your bike with the valve at the bottom, mark this position with a line and push your bike ahead until exactly one rotation of the front wheel is completed. Draw another line where the valve now is. Take a ruler and measure the distance between marks 1 and 2 which reflects the wheelsize = wheel-circumference. The figure measured (inches or mm) is the wheelsize to be entered into your computer



Programming (setting up) your wheelsize

Step 1: Call TRP information in your display.
Step 2: Press MODE 1 button for 5 sec.
"WS" is displayed along with an alternating flashing symbol for KMH and MPH.
Step 3: By pressing the MODE 2 button you can choose whether you want MPH or KMH readout on your display.
Step 4: Once you have chosen your measuring unit, continue by pressing the MODE 1 button briefly (0.1 sec). Now, either the default value or the wheelsize value previously entered (WS) is displayed with the last number flashing.
Step 5: With buttons MODE 1 and MODE 2 you can enter the wheelsize previously determined. (see set-up mode).
Step 6: Once you have entered the last number for wheelsize, the computer automatically goes back to normal mode. You may also exit the set-up mode at any time by pressing the MODE 1 button.
Watch out: When you exit set-up without having completed entering your data, the computer may well work with faulty values leading to misinformation in your display.


WS1
MPH
MODE 1 5sec.
TRP
0
WS
KMH
0.00
MODE 1 5sec.
to quit
MODE 2 0,1sec.
to change from
KMH to MPH
WS1
KMH
WS
KMH
2 15.8
MODE 1 0,1sec.
switch to next
MODE 1
to start
to switch
to quit
MODE 2
to increase
to change from
KMH to MPH
WS
KMH
2 15.5
WS
KMH
2 15.6
MODE 2 0,1sec.
to increase
WS
KMH
2 15.7
WS
KMH
2 15.8
MODE 1 0,1sec.
switch to next
WS
KMH
2 15.8
MODE 1 0,1sec.
switch to next
WS
KMH
2 15.8
MODE 1 0,1sec.
switch to next
WS
KMH
2 15.8
MODE 1 0,1sec.
switch to next

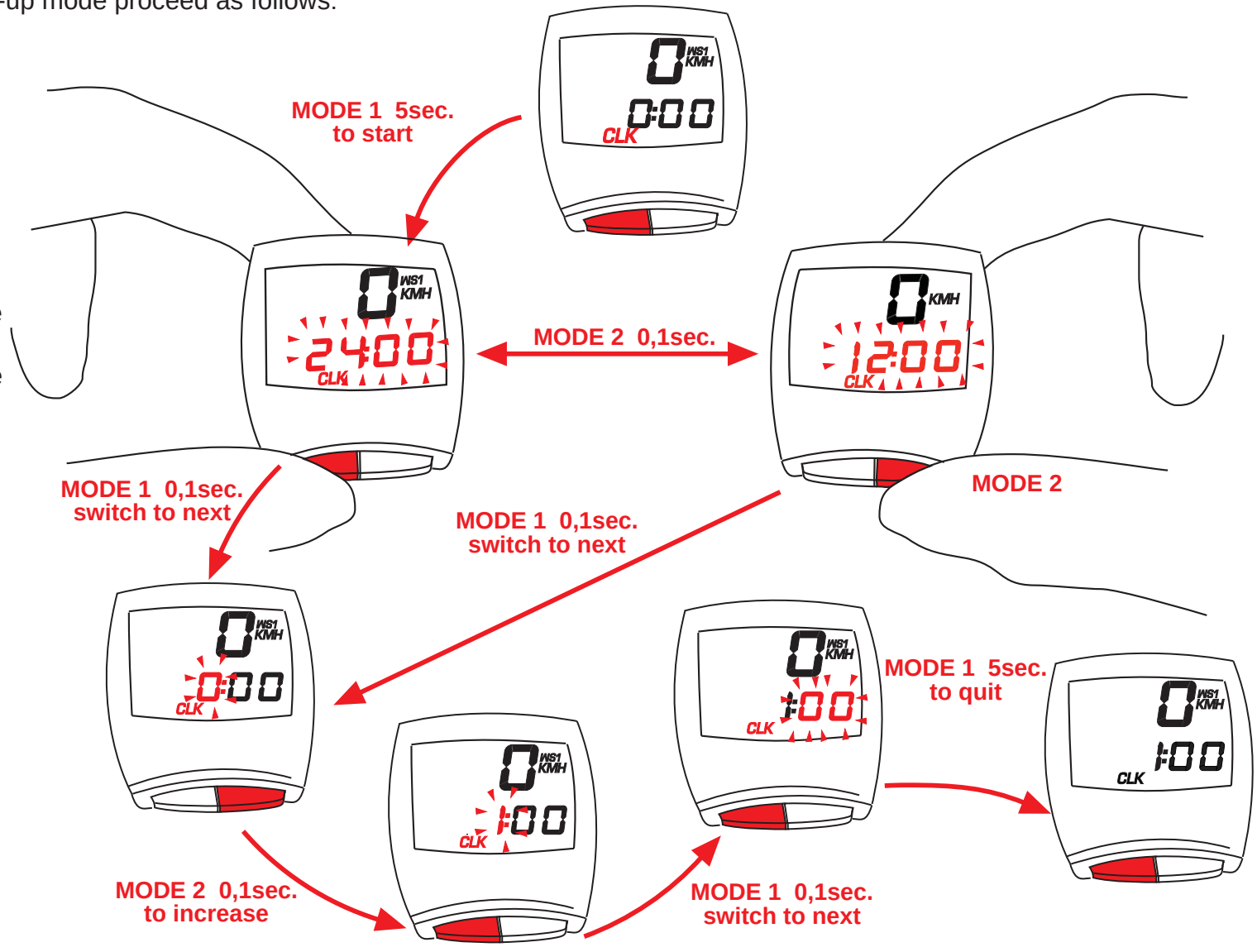
12. Setting the clock CLK

Your VDO CYTEC C 08 features a clock with hour and minute display. 12 h or 24 h display selectable.

To access the clock set-up mode proceed as follows:

Step 1: call in the CLK information into your display

Step 2: Press the MODE 1 button for 5 sec. The set-up mode for the clock starts. You will either see the figure "24" or "12" flashing reflecting the hour-mode programmed. To set up your clock use MODE 1 and MODE 2 buttons. (see set-up mode).



13. Programming (setting-up) your odometer ODO

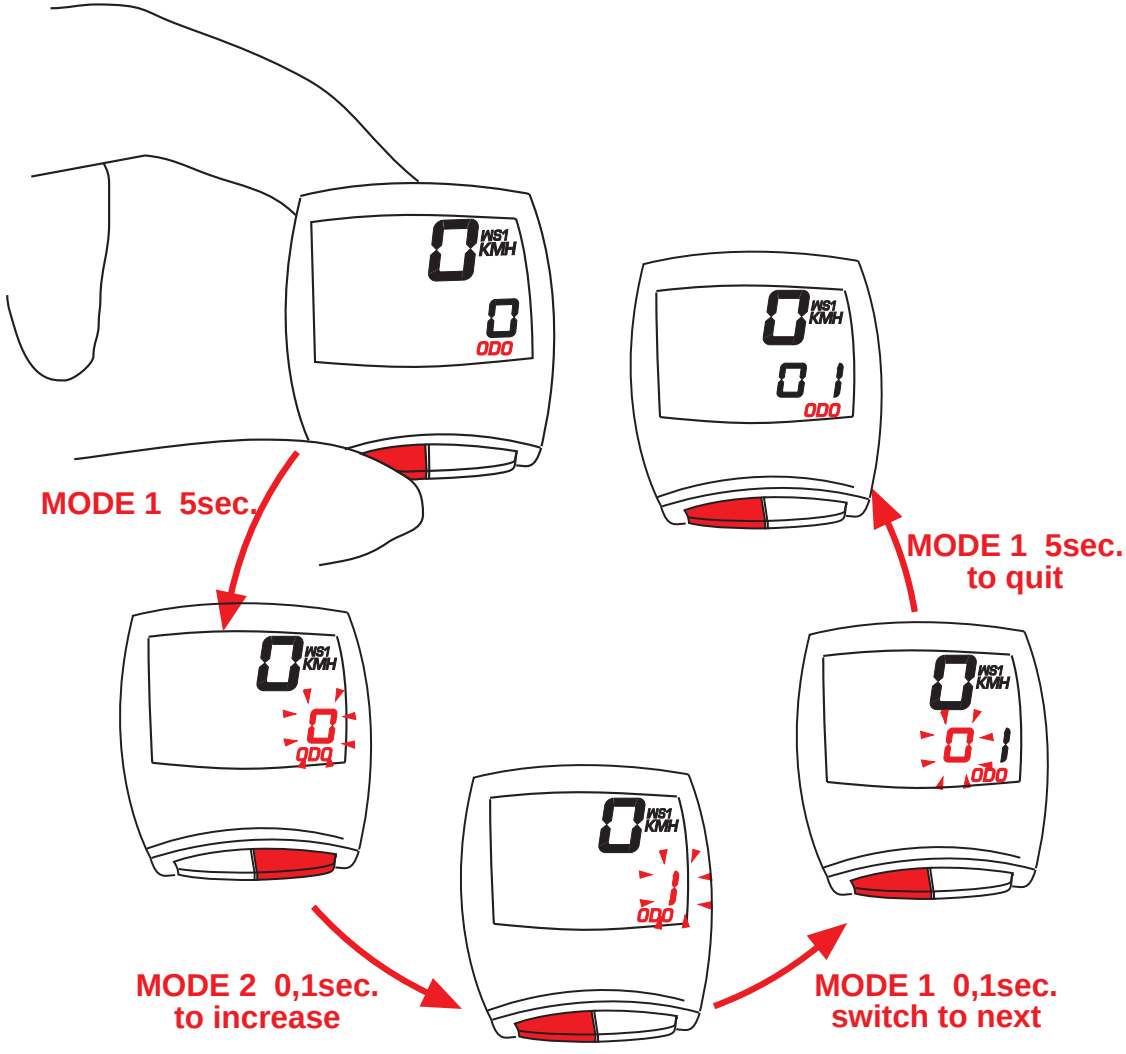
You can enter individual odometer values into your VDO CYTEC C 10 at any time, i.e. transferring data from your old computer into your new VDO CYTEC C 10 or after a battery change.

Watch out: after a battery change, your data for total ODO is reset to zero.

TIP: If you want to re-enter your totals after a battery change, take down the value for ODO before removing the battery.

Step 1: Call information for ODO into your display.

Step 2: Start the set-up mode for odometer by pressing the MODE 1 button for 5 sec. The last number is flashing.



Entering data is done by MODE 1 and MODE 2 buttons. (see set-up mode)

14. Resetting information to zero

The following information may be reset to zero with your VDO CYTEC C 08.

TRP-RID-AVS-MAX These information here is simultaneously reset to zero.

Information must be reset to zero by pressing the MODE 2 button for 5 sec.

Watch out: Take care that the exact information to be reset is on display.
If either of the following information, TRP, RID, AVS or MAX are displayed and you want to reset to zero by pressing the MODE 2 button, be aware that the remaining three information are **simultaneously** zeroed.

15. Stand-by-mode

Your computer VDO CYTEC C 08 features a stand-by-mode in order to save battery power.
Your computer changes into stand-by-mode if it has not received any speed impulses for 5 min or no button has been pressed in the same period of time.

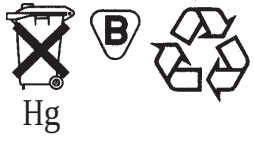
The time of day (CLK) is still displayed in stand-by-mode, though.
By pressing any button or just continuing your ride, this will end stand-by-mode and return you to the appropriate mode.

16. Battery change

Tip:
Take down your totals and wheelsize prior to battery change.
Changing the battery in the computer head. see 5

In case the computer is not properly functioning after a battery change, push the AC-button (Auto Clear) on the rear side of the computer to reset.

Watch out: old batteries require special disposal



17. Troubleshooting

This chart outlines possible malfunctions, their causes and solutions.

malfunction	possible cause	solutions
irregular LCD readout (i.e. after battery change)	computer software is not running smoothly	press AC-button at the rear of computer head.
speed display does not appear	check for proper distance between sensor and magnet	readjusting distance between sensor and magnet.
	cable from sensor to computer broken	check cable and replace if necessary.
	computerhead is incorrectly twisted on handlebar holder	place computerhead on handlebar holder and twist until detent (CLICK)
	no wheelsize entered	enter your wheelsize
display fades or disappears	battery in computer empty	check battery power and replace it if necessary.
	temperatures below 5° C (40° F) dull display readout	back in normal temperatures, display picks up working correctly.

18. Warranty

We warrant VDO CYTEC models (sensor, computer head and handlebar holder) to the original purchaser for five years from date of purchase against defects in material and workmanship. This does not cover the batteries and defects resulting from normal wear and tear, improper care, accidents, abuse or alteration.

Please take care to retain your receipt of purchase.

In case of legitimate complaints, you are entitled to receive a comparable replacement model. Due to possible model changes, your model might not be available any more.

You may contact your retailer or store where you purchased your VDO CYTEC or send the computer directly to us:
CYCLE PARTS GMBH
Grosse Ahlmuehle 33
D-76865 Rohrbach

Technical specifications are subject to change.

19. Contents

1 computer head
1 handlebar holder with sensor, cable and screw
1 rubber shim for sensor mount
1 spoke magnet
5 cable ties
1 battery 3 V Type CR 2032
1 installation and operation manual