

STOPWATCH (SW)

Press left key to start - press the left key again to pause. Press the right key to clear the value. The timer ranges from 0:00:00 to 9:59:59. When you press the left key for 3 seconds it stays in the SW mode. You can not go to any other mode. Please press the left key for 3 seconds again to cancel it. Press the right key to enter the CDD mode.



COUNT DOWN DISTANCE (CDD)

Under the CDD mode press the left key for 3 seconds. It will go to set the default value. Once the value displays at the bottom of screen press the right key to confirm it. It ranges from 000 to 999.99 KM. Press the right key to enter the CDT mode.



COUNT DOWN TIME (CDT)

CDT shows the time used during the count down distance. This function is decided by CDD. You can not set it yourself. It will be auto cleared when you reset the value of CDD. Press the right key to enter into CAL mode.



CALORIES LEVEL (CAL)

CAL shows the Calories Burns during the trip. Under this mode, press the left key for 3 seconds to clear the value. Meanwhile the fat burning value will be cleared as well. Press the right key to enter into FAT mode.



FAT BURN MEASUREMENT (FAT)

Do the same operation as Calories above. Press the right key to enter into TEM mode.



TEMPERATURE (TEM)

Default unit is °C. Press left key for 3 seconds to change the unit to be °F. The same operation to change unit back. Press the right key to enter into SCAN mode.



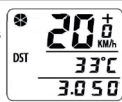
SCAN

Under this mode, the screen automatically shows DST, MAX, AVS and TM function one by one.



FREEZE FRAME MEMORY

It will enter into the freeze frame memory mode when you press the left key. Under this mode, the screen will show the time of ride (TM). Press the right key to scan the value of DST, TM, AVS, MAX. Press the left key again to cancel it.



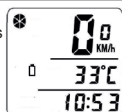
CURRENT SPEED

Its a value will be always displayed on screen. The accuracy is 0.1 KM/h. The value ranges from 0 to 99.9 KM/h (M/h).



,+ , - , ' COMPARISON

,+' or ,-' will show on the screen in the upper right corner, ,+' shows that the instant speed is higher than the average speed. ,-' shows that it is slower.



BACKLIGHT

Screen will be lighted up for 6 seconds when you press any key. Press both keys for 3 seconds to keep the screen always lighted up. Press both keys for 3 seconds again to cancel it.

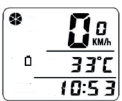


AUTO OFF

The screen will turn into OFF condition, with only clock displays on the screen, if there is no signal input of the the speedometer within 5 mins. It will automatically restart when you press any key.

LOW BATTERY INDICATOR

Once the battery voltage decreases to 2.5 V, the battery icon on screen will be flashing. It reminds you to insert a new battery.



MALFUNCTION REASONS

The speed of ride is ,0' all the time	Incorrect installation of magnet and sensor
The values on the display are incorrect	Incorrect parameter (such as the perimeter of the bicycle wheel)
Slow reaction	Bicycle computer works under the temperature of 0 degree
Blank screen	Please keep the computer in a shade corner to ensure a clear view.
Dark display	Battery is not connected well or the battery is down. Please connect it well or replace it.
No drawing on the screen	Take out the battery, wait 10 seconds and put it back.

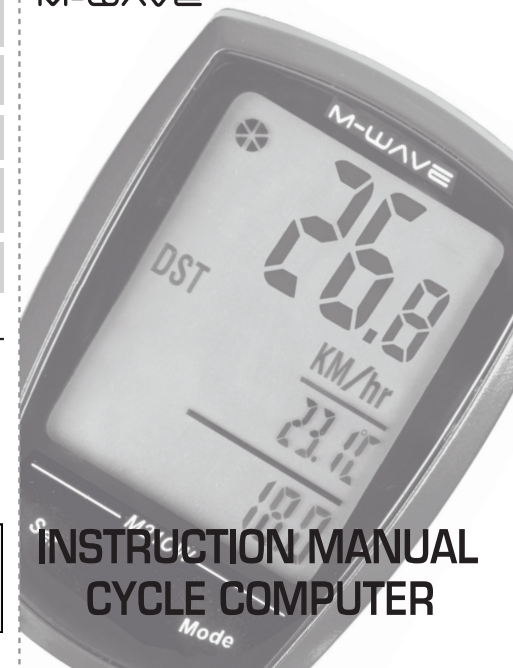
ACCESSOIRES



messingschlagel
Hassbergstr. 45
96148 Baunach - Germany



M21W



INSTRUCTION MANUAL CYCLE COMPUTER

COMPUTER

Please read the instruction book carefully. Note: Please tear the screen protective film.

21 Functions

- SPD Current Speed
- ODO Odometer
- DST Distance of Single trip
- MAX Max Speed
- AVS Average speed
- TM Trip riding time
- CLK 12H/24H
- SCAN
- Backlight
- SW Stopwatch
- CDD Count down Distance
- CDT Count down Time
- CAL Calories Level
- FAT Fat burn measurement
- TEM Temperature
- Low battery indicator
- "+"/"- Average speed Comparison
- Maintenance alert
- KM/hr, M/hr selectable
- Setting tyre circumference (0-9999 mm)
- Freeze frame memory
- Auto off

BATTERY INSTALLATION

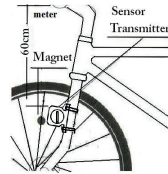
Put a piece of CR2032 battery into the speedometer.

Note: Positive pole (+) should be set upwards. Same way to assemble the transmitter.

SENSOR AND MAGNET ISNTALLATION

Install the sensor onto the front fork and the magnet is installed onto the spoke at the same side of the wheel. Use the strap to fasten. It needs to be installed in 60cm distance from the speedometer as showed in the picture. Then adjust the comparative position of Sensor and Magnet. Keep the space to be 1.5 mm.

Note: Magnet should be set near the head or tail of the Sensor. Check installation: Turn the front wheel running and check if the speedometer operates or not. If there is no signal or the reaction is not sensitive, please adjust the comparative position of the Sensor and Magnet



PEDESTAL INSTALLATION

Use the strap and the back-up plate to fasten the seat base onto the handlebar.

TYRE PERIMETER SETTING

After putting the battery in, the screen shows 2060 and one of the numbers is flashing. Select the exact cycle of your bike according to the following list. Push the right button to change the flashing number, then press the left button to confirm it. The Perimeter ranges from 0 mm to 9999 mm.

(You may measure out the pathway of wheel yourself by this means: Firstly apply a mark on the wheel, as well to apply again onto the floor below the mark. Then push the bicycle to run. The wheel runs in just one cycle and you can measure out the distance between the two marks. If it's 1.615 m, then input 1615.) Continue to press the left button will enter into KM/Mile mode setting.



TIRE CIRCUMFERENCE CHART

Tyre Size	Circumference	Tyre Size	Circumference
700 x 38C	2180	26" x 2.1"	2068
700 x 35C	2168	26" x 2.0"	2114
700 x 28C	2136	26" x 1.95"	2050
700 x 23C	2096	26" x 1.75"	2023
700 x 20C	2086	26" x 1.6"	2051
650 x 20C	1938	26" x 1.5"	2026
29" x 2.3"	2326	26" x 1.0"	1913
29" x 2.1"	2288	24" x 1.75"	1890
28" x 1.75"	2268	20" x 1.95"	1565
28" x 1.5"	2224	20" x 1.5"	1490
27.5" x 2.0"	2155	20" x 1.25"	1450
27" x 11/8"	2174	18" x 1.5"	1340
27" x 11/4"	2135	16" x 2.0"	1245
26" x 2.25"	2115	14" x 1.75"	1055

KM/hr / M/hr SELECTION

Press the right key to choose KM/hr or Mile/hr. Press the left key to enter the weight setting mode.



WEIGHT SETTING

You can see Kilogram (K) showed in the screen. You can change it to Pound (L) by pressing the right key. Then confirm it by left key. Default value is 065 kg, change the value by pressing the right key, then press the left key to confirm it. The range goes from 20 kg to 199 kg. Press the left key to enter the maintenance reminding mode.



MAINTENANCE REMINDING

For the maintenance reminding you can choose 200, 400, 600 or 800 km by pressing the right key.

Function: when the numerical value reaches to the setting value, the spanner sign will be flashing. Press the right key for 3 seconds to cancel it. Press the left key to enter into the Clock mode.



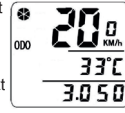
CLOCK (12H/24H) SETTINGS

In the Clock mode press the left button for 3 seconds. It will enter the 12/24 hr time mode setting. Go on to press the left button again to exchange 12/24hr. After the confirmation please press the right button to enter the hours setting. When the hours number flashes, press the left button to set. If pressing the right button again, it is to set the minutes number. When the number flashes, press the left button to set. After the clock setting is finished it enters into the Odometer mode.



ODOMETER (ODO)

Under Odometer mode (ODO), press the left key for 3 seconds to set ODO value. Default value is 0000.0. Press the right key to change the flashing number, then press the left key to confirm it. It will change to the next value setting by turns. Press the right key to enter into (DST) mode.



TRIPMETER (DST)

DST shows the distance of a single trip in the value range from 0.001 to 9999 (KM). It will be automatically cleared when the value overruns the max number. Under the DST mode press the left key for 3 seconds. DST value will turn to '0', as well the value of MAX, AVS and TM. Press the right key to enter into (MAX) mode.



MAXIMUM SPEED (MAX)

MAX shows the max riding speed during the trip. Under the MAX Mode press the right key for 3 seconds. MAX value will turn into '0', as well as the value of DST, AVS and TM. Press the right key to enter into AVS mode.



AVERAGE SPEED (AVS)

AVS shows the average speed during the trip. Under the AVX mode press the left key for 3 seconds. AVS values will turn into '0', meanwhile DST, MAX and TM turn into '0' turn as well. Press the right key to enter into the TM mode.



TRIP TIMER (TM)

TM shows the accumulative time of the single trip. It ranges from 0:00:00 to 99:59:59. It will be cleared to '0' when the value overruns the max number, meanwhile DST, MAX and AVS are cleared too. Also under the TM mode, press the left key for 3 seconds. TM value is cleared, as well as the value of DST, MAX and AVS. Press the right key to enter into SW Mode.

