

M8 LCD display manual (color)

1. Specification

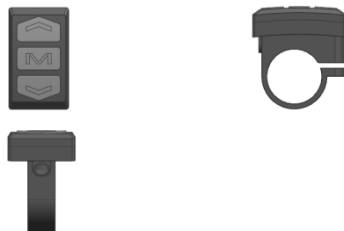
- 3.2 inchVA screen
- 24V/36V/48V/60V battery supply
- Current rate<40mA
- Off current loss<1uA
- Current from controller 100mA
- Working temperature-20~65°C

2. Size and material

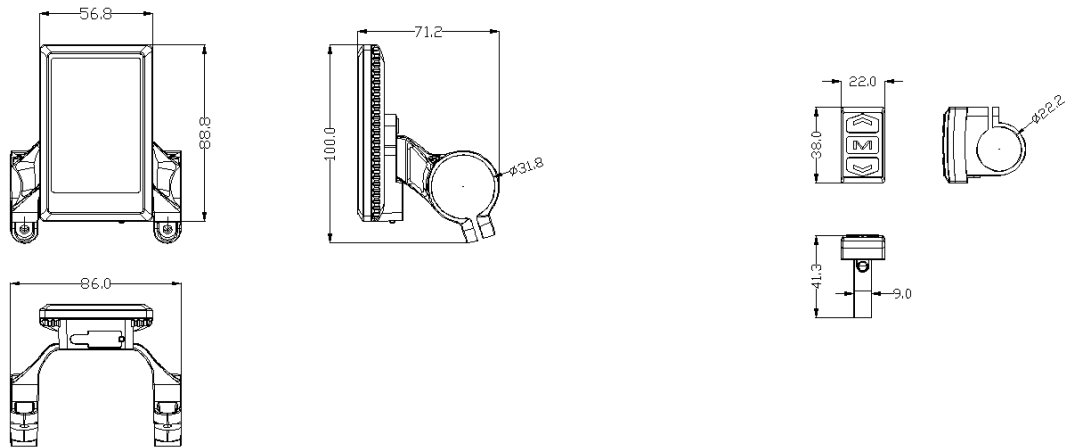
- Black ABS case, hardness transparent screen acrylic.



- Button case: ABS, Button: bubber, dark grey, Hardness:shaw A50±5° 。



- Size:

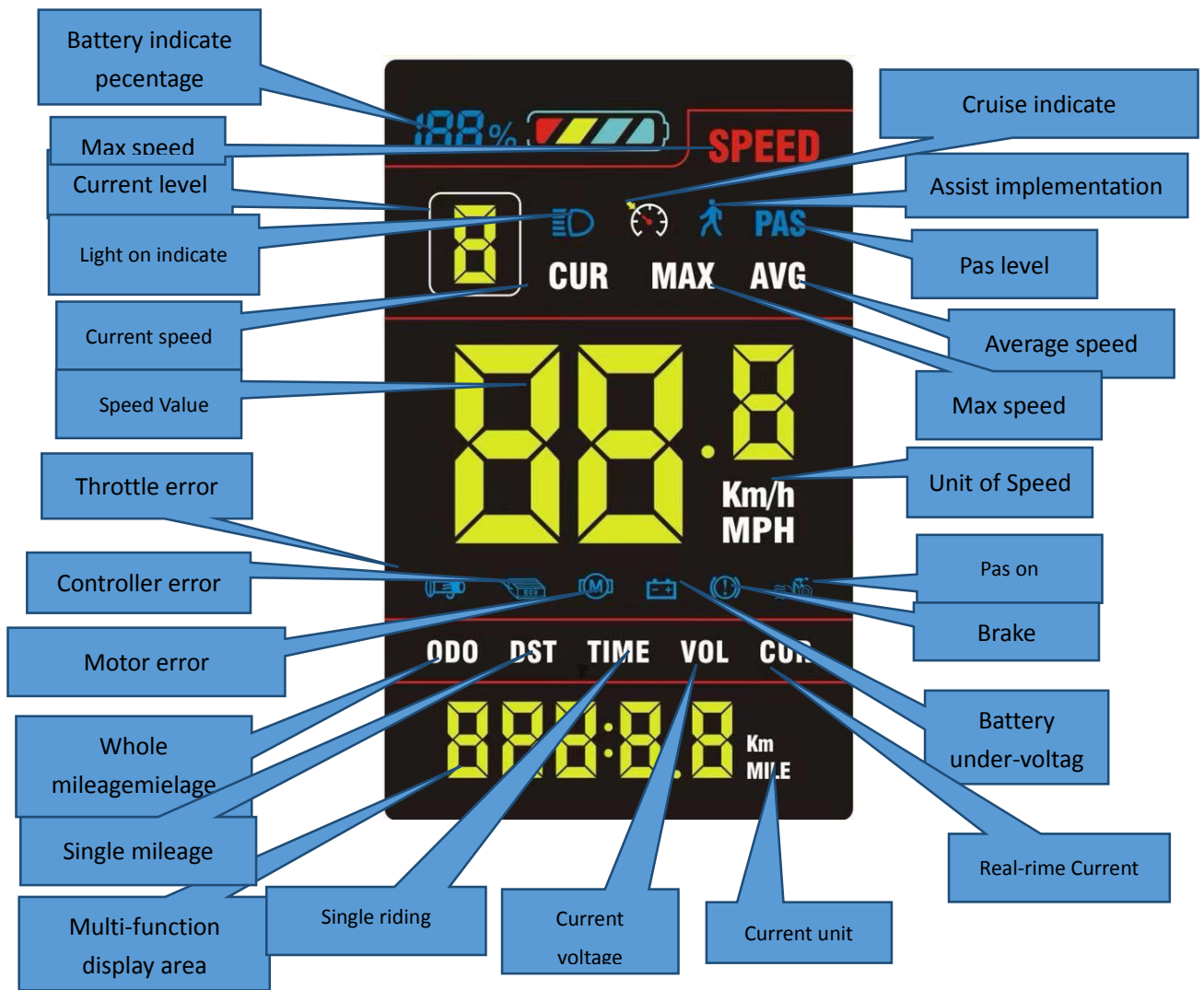


- Diameter of the munt ring size: $\Phi 22.2\text{mm}$.

3. Product introduce

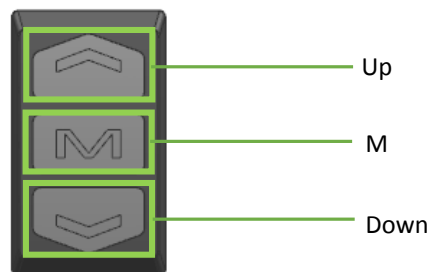
- 3.2inch color VA screen;
- The external keys meet the requirements of ergonomics and comfortable to operate;
- Screen and components limit working temperature: $-25\sim 70^{\circ}\text{C}$;
- Speed display: CUR SPEED, MAX SPEED, AVG SPEED;
- km/mph: can adjust;
- Battery indicator: Stable battery indicate display, not affected by motor's Rev.Stop
- Back light: 3 lever from 1 to 3.
- Pas 9 level control, can adjust to 3/5/0 level
- Range: total range ODO, single range: Trip, single ride Time;
- Agreement stype: UART
- Agreement: 2# (can be OEM)

4. Display specification



其中电压百分比和实时电流需要控制器支持。

5.Button function



➤ Turn on-off:

Long press M for 2second, for on or off.

On the main screen, long press the UP to turn on the light.

➤ **Boosting functionn:**

On the main screen, long press "down button" , If the bike is stop, Go into the bosster ,If the bike is riding, going to the cruise function(The later function depends on the controller support or not)

➤ **Pas level change:**

On the main screen, short press "UP" , "DOWN" to change the level .

➤ **Speed display mode change**

On the main screen, long presspr "M "+"UP" , go into the speed display mode change, long press will shift change one by one: Current speed(CUR)、max speed(MAX)、average speed(AVG)。

➤ **Range/riding time/voltage display change**

Short press "M" , display one by one: current mileage (DST) 、 whole mileage (ODO) 、 current riding time (TIME) 、 current battery voltage (VOL) 。

➤ **Parent set**

1).Press "up" +"down"together, will enter/exit parent set; Then"M"going to the next set, press up and down to change the set。

2).Parent set detail:

P01:back light adjust (1 darkest, 3:brightest) 。

P02:speed and mileage unit (0km, 1mileage)

P03:voltage level set

P04:Auto-turn off set (1-60mins, 0 means function off)

P05:PAS level set (UP button to set 3,5,9 level,Down button adjust have 0 level or not,some controller may dont have this option)

P06:wheel size, the smallest is 0.1 inch

P07:megnet number, 1-99 (If the motor is gear motor, shoule set it to :number of magnet* speed Reduction ratio)

P08:speed limit set, the unit is km/h

P09:Zero start/none-zero start (0:Zero start, 1:None Zero start)

P10: drive way (0 :PAS only, 1:Throttle only, 2:Both)

P11:Pas sensitivity set (1-24)

P12:Start the Torque sensor set (0:weakest, 5:strongest)

P13:PAS magnet choose (5,8,12)

P14:controller current limit set (need controller support)

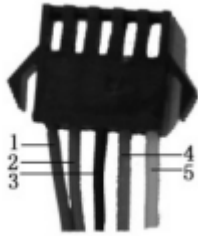
P15:Throttle drive signal percentage (not support now)

P16:Cruse function (not support now)

P99:Date reset (on this screen long press “up”, long press up , The display will go into the back reset)

ODO:ODO Reset (on this screen, long press “up”, the whole mileage will back to 0)

6.Cable connection



To the controller



Display side



extension side

Table: Mark the plug-in line order

The wiring sequence	Color of wiring	function
1	Red(VCC)	instrument power cord
2	Blue(K)	The power control line of the controller
3	Black(GND)	Instrument ground wire
4	Green(RX)	Instrument data receiving line
5	Yellow(TX)	Instrument data transmission line

(Only listed the default one of the factory)

7. Error code

E-001: motor problem

E-002: throttle problem

E-003: controller problem

E-004: brake problem

E-005: controller under voltage

E-006: no signal from controller

E-007: no signal from display