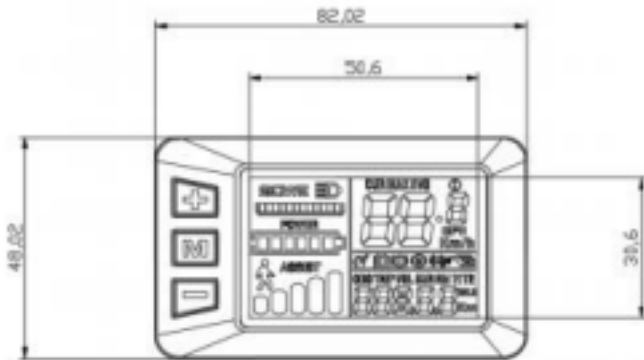


# USER MANUAL

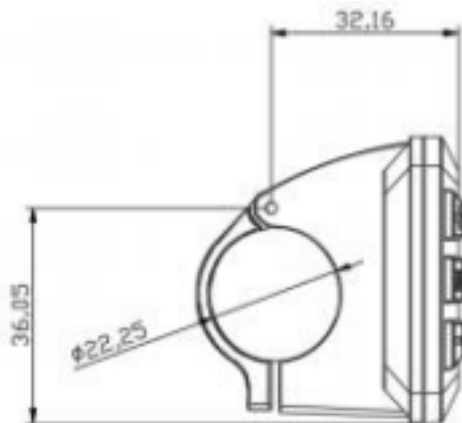
## LCD Display Instruction

### 1.Shell's Size and Material

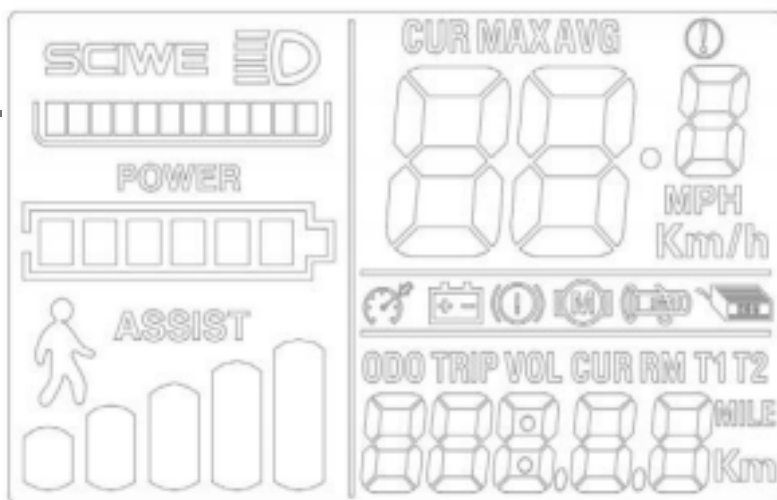
The shell's material is ABS. LCD screen is made of imported high hardness acrylic, and the hardness is equal to tempered glass.



(Front view)



(Side View)



2.1 Headlight

2.2 Power status

2.3 Multi-functions

Total Distance(ODO), Single Trip Distance A/B(TRIPA/TRIPB), Voltage(VOL), Current(CUR), Real Miles(RM), Riding time(TM)

2.4 E-Bike Mode: Walk Cruise, Auto, Manual(not indicated)

2.5 Pedal assist adjust PAS grades: 0-3, 0-5(default) or 0-9 modes

## 2.6 Speed

Real speed(SPEED), Maximum speed(MAX), Average speed(AVG), MPH, KM/Hare both optional.

According Wheel size and signal data, the meter could figure out the real speed.

# LCD Display Instruction

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## 2.7 Error display Meaning of Error Code:

Error	Code Error Status	Notes
0	Normal Status	
1	Save	
2	Brakes	
3	PAS promble(a riding mark) not	implemen ted
4	6KM/H cruising	
5	Real-time cruising	
6	Battery is undervoltage	
7	Motor's problem	
8	Throttle's problem	
9	Contrller's problem	

10	Communication Receiving problem	
11	Communicaton Sending problem	
12	BMS Communication problem	
13	Headlight problem	

## 2.8 PAS grades

PAS Status (0-9 grades), Cruise mark

## 2.9 Parameters setting

- P01 Background luminance: 1 is the darkest, 3 is the brightest.
- P02 Unit of the mileage. 0 is KM, 1 is MILE
- P03 Voltage grades. 24V, 36V, 48V. The original voltage is 48V.
- P04 Sleep time. 0 is without sleep, other numbers stand for the sleep time (1-60 min).
- P05 PAS grades. 0-3, 0-5(default) or 0-9 modes for choice
- P06 Wheel size. Unit: inch.
- P07 Speed measuring magnet. Range: 1-255
- P08 Speed limit. Range: 0-100km/h, 100 means without limit
- No-Communication Status (controlled by the meter):

When the real speed is over the ones we set, the meter would shut off PWM output; when less than the speed we set, the meter would turn on PWM output automatically, the driving speed would be  $\pm 1$ km/h (Speed limit is both for PAS and Throttle)

Communication Status (Controlled by the controller):

The driving speed keeps the same with the ones we set. Random error:  $\pm 1$ km/h. (Speed limit is for both PAS and Throttle)

Notes: These data are based on KM. When changing KM to Mile, the speed value on the screen would convert to correct Miles automatically, but if you do not change the setting of speed limit from KM to Mile, it would be different from the real speed limit in Mile.

P09 Zero start & Non-zero Start. 0 is Zero Start, 1 is Non-zero Start

P10 Driving mode.

0 is driven by PAS. Throttle is useless at this time.

1 is driven by Throttle. PAS is useless at this time.

2 is driven by PAS & Throttle. Throttle is useless at Zero Start status.

P11 PAS sensitivity. Range: 1-24

P12 PAS start strength. Range: 0-5

P13 PAS magnet type. There are 3 types: 5, 8, and 12.

P14 The Current-limiting of Controller. The original Current is 12A. Range:1-20A

P15 Not implemented now.

P16 Reset ODO. Long press "A" for 5s, ODO could be reset.

### 3.Button Introductions

3.1 During riding, need change PAS/Speed grades, shortly press "A" "V"

3.2 During riding, need change data in Multi-function Area, shortly press "M"; Long press "M", could switch status between MODE and ON/OFF; Long press as a compound button, is mainly used for parameter setting, which could reduce misoperation due to complicated operation.

### 3.3 Specific operation explanations

#### 3.3.1 Change PAS grade

Suppose it's PAS mode now, shortly press "A", PAS grade +1, shortly press "V", PAS grade-1

#### 3.3.2 Shift the speed display

Long press "M" + "A", to shift the way of speed display

#### 3.3.3 ON/OFF 6KM/H cruising, ON/OFF Headlight, Reset ODO

When e-bike stops, long press "V" to enter 6KM/H cruising mode. Stop pressing to exit the cruise mode; Long press "A" to turn ON/OFF Headlight and Taillight; At P16, long press "V" for 5s to reset ODO.

#### 3.3.4 ON/OFF the screen

Long press "M" to turn ON/OFF the screen.

#### 3.3.5 Change data in multi-function Area.

Shortly press "M" to change data.

#### 3.3.6 Parameters setting

Long press "A" + "V" to start setting parameters, such as wheel size (inch), background luminance... (Refer to P01-P16)

On the setting interface, shortly press "A", "V" or to plus/minus value. Parameters would be shining after modifying, choose the ones you prefer,

- a. Long press "M" to save the value, the shining would stop.
- b. Shortly press "M" to shift to the next parameter, and to save current values at the same time.
- c. Press "A" + "V" to exit setting parameters and to save values. If not press these buttons, it would exit and save Parameters modified automatically 10s later.