

K01 Instrument Manual



Version information

version	Reviser	Date of revision	Modifications	remark
V1.0	Wei	2024.12.10	first edition	
V1.1	Wei	2025.03	Added the description of the boot password and change password menus	

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Concentrate:

1. Due to the upgrade of the company's products, the display content of the product you get may be different from that in the manual, but it will not affect your normal use.
2. Do not plug and unplug with electricity, plugging and unplugging with live power may damage the electronic control accessories.

Product Introduction

1. Name

E-BIKE meter

2. Product model

K01C &K01B (2 styles of color and black and white)

3. Product appearance



K01

General Parameters		
Dimensions	Length*width*height	78.6*49.0*13.6 (mm)
	Screen Size	2.2"
	Holder Diameter	22.2 (mm)
Screen	Type	LCD
	Color	K01-B: Black K01-C: Yellow/Green/White/Blue/Red
General Feature	Weight	TBD
	Operating Voltage	12V-60V
	Operating Temperature	-20 °C - +70 °C
	Communication Protocol	UART
	Ingress Protection Rating	IP66
Connector	Type	M5 Waterproof Connector
	Length	22 cm
Certification	RoHS/CE/FCC/ISO13849	Support Customization

4. The main interface is displayed

Speed Circle: Displays the speed according to the speed size

Real-time speed





Mileage accrual

unit

Motor power


Unit of measure: Watts

1 Battery level display

- 2 Headlight display : shows the headlight on/off status, and displays the logo when the system headlight is on.
- 3 Boost icon : press and hold the - button to enter the boost mode, and the icon will be displayed; Release the - key immediately exits boost mode and the icon disappears.
- 4 Cruise icon : Enter the cruise icon is highlighted.
- 5 Gear indication : 0-5 gears are displayed by pressing the button + and - to adjust the gear.
- 6 Multi-function display area: Click the power button to view the single mileage trip, total mileage ODO, maximum speed MAX, and average speed AVG in turn.





5. Button definition

The K01C&K01B meter has 3 buttons: including "power on and off button ", "plus key +", and "subtract key -". This is shown in the figure below.



6. Routine operations

1 Power on/off

After long press the "power on and off button ", the instrument will work on the power on, and in the power on state, long press the "power on and off button " to power off the system.

2 Headlight switch

Turn on the lights: Press and hold the "+" button when the lights are off, and the headlight icon on the instrument display interface will be highlighted. (If you don't want the instrument to control the headlights directly, you need the controller to support it)

Turn off the lights: Press and hold the "+" button when the lights are on, the instrument display interface, and the headlight icon will disappear.

3 Boost mode

Press and hold the "-" button when the vehicle body is stationary, and the static booster logo is displayed, indicating that the booster is entered, and the speed position displays the real-time speed; Release the "-" key to exit the boost mode, and the boost icon disappears.

7. Setup instructions

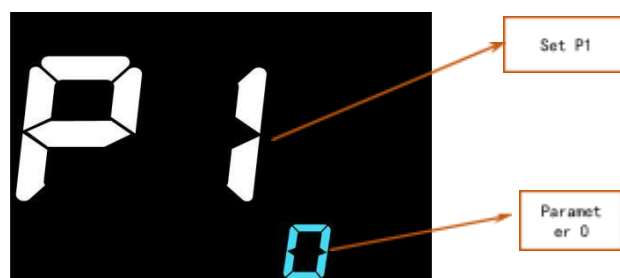
7.1 Set up operating instructions

(1) Enter the settings menu: In the power-on state, press and hold the [+ key and - key] to enter the settings interface.

(2) Adjust parameters: In the settings interface, click the power button first when modifying a parameter, and the parameter will flash; You can short press the **[Add button]** or **[Subtract button]** to select the parameter value, and press the **[Power button]** to save after selecting the set value.

(3) Save and exit the settings menu: Double-click the **[Power Button]** on the **settings menu interface** to exit the settings, or the settings interface will automatically exit to the standby interface if there is no operation and wait for 1min.

Example: Double-click the power button to enter the setting: the default value of the P1 menu shows 0 (km); Click the power button, the parameter flashes into the modified state, adjust the parameter to 1 (mile) by pressing the + or - key, and click the power button to save the set value; Double-click the power button to exit to the standby interface.



7.2 Introduction to setting parameters

P1: Mileage unit. 0: KM, 1: MILE; Default is 0

P2: Rated voltage. Range: 24-36-43-48-52-60V, Default 48V;

P3: Zero-start, non-zero-start settings. N: non-zero start, Y: zero start

P4: Wheel diameter. Range: 8-30inch; Unit: inch

P5: Number of tachymetric magnets. Range: 1-32 capsules

P6: Speed limit. Range: 1-99km/h, communication status (controller control) drive speed maintenance display at the set value

Note: The value here is based on kilometers, and when the unit setting is converted from kilometers to miles, the speed value on the display screen will be automatically converted to the correct mileage value

P7: Boot password setting. Default N (password off), you can choose to set Y (password on).

Note: Default password: 2020

P8: Auto shutdown setting. 0: does not shut down, and 1-10, 30, and 60 are the shutdown times. Unit: minutes

Note: The automatic shutdown time refers to the absence of operation when the instrument is stationary; If the meter is operated halfway, it will be timed again, and the screen will be turned off when the set time is reached

P9: E-ABS intensity setting. The parameter ranges are: AbS-N, AbS-L, and AbS-S

PA: Drive Mode Setting:

- E: Booster drive (determine how much power is output by the booster gear, and the turnbar is invalid at this time)
- P: Electric drive (driven by the handlebar, the power assist gear is invalid at this time)
- E-P: Simultaneous coexistence of power assist drive and electric drive (invalid in zero-start state of electric drive)

Pb: Activation Intensity Setting. Range: 0-5

PC: Cruise control function. N: Cruise without a fixed speed Y: Cruise with a fixed speed

PD: the ODO is cleared. N: Total mileage is not cleared to zero Y: Total mileage is cleared (*restart the meter trip to reset automatically*).

PE: Change Boot Password menu. Enter the old password first (error is prompted when the PASS error is correct), and then enter the new password again after entering it correctly. (*After the new password is set successfully, the instrument can be restarted to verify the password, note that this function requires the P7 boot password to be set to on*).

dF: Factory reset. N (indication: no factory reset), Y (indication: restore all parameters to default values)

VR: Software version information.

(Customer Code (A0) + Agreement (L) + Software Information (00): Example: A0L01)

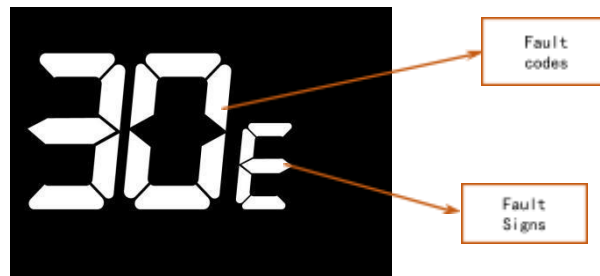
Note: (The third digit 5 represents: 5S protocol B represents: BF protocol L represents: LD2 protocol)

8-character comparison table

A	b	C	d	E	F	G	H	I	J	K	L
M	n	o	P	q	r	S	t	U	v	W	X
Y	Z	1	2	3	4	5	6	7	8	9	0

9 Fault Code Explanation

The instrument can prompt the vehicle fault, and when the fault is detected, the instrument interface displays ERROR and the fault code is displayed



Lithium battery No. 2 protocol fault code			
serial number	Fault information	Display the code	remark
1	Hall failure status	8	
2	Turnaround failure status	5	
3	Controller fault status	16	
4	Undervoltage protection status	6	
5	The motor is out of phase	9	
6	Faulty brake handlebar	2	

7	The controller communication is faulty	29	Unable to receive data from the meter
8	Instrument communication failure	30	Unable to receive data from the controller