



English P1-22

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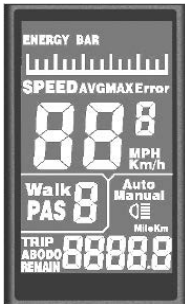
1 Preface

Dear users,

Please read through the instructions of NOKEE meter carefully before using it to ensure a better performance of your e-bike. We will use the most concise words to show you all detailed steps for using it, including the steps from installation and setting of hardware through normal use of the instrument. The instructions will also help you eliminate the confusion and malfunctions that you may encounter.

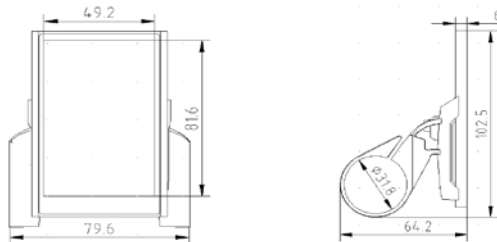
2. Appearance and dimensions

2.1 Main Materials and Color

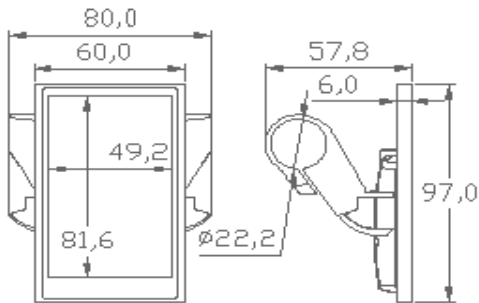


NOKEE is mainly made of aluminum alloy and toughened glass. The shell of display is made of black matte material, which can be normally used in the temperature ranging from -40°C to 80°C , with good mechanical property.

The dimensions of NOKEE are shown below.
(unit: mm)






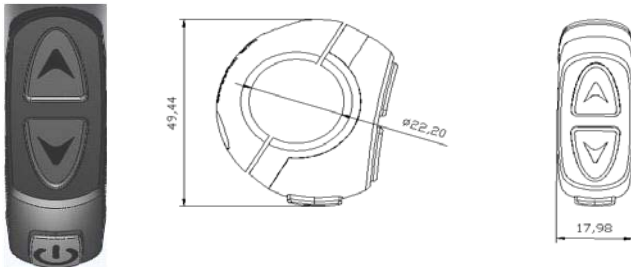
Appearance and dimensions (with 31.8mm gripper)



Appearance and dimensions (with 22.2mm gripper)

2.2 Materials and Colors of Buttons

The main body of buttons is made of PC material while keys on them are made of soft silica gel, appearing black in general. There are three keys, namely Mode , Up , and Down .



Appearance and dimensions of N3 keys

3 Precautions for Use



Take care when using the meter and do not connect / disconnect it with power on.



Try to avoid bumping or colliding the meter.



Avoid direct contact with water.



The parameters and settings of the meter are not expected to be modified by the user; otherwise, your riding experience will be affected.



The meter should be delivered for repair as soon as possible in case of malfunction.

4. Overview of Functions and Indications

4.1 Overview of Functions

NOKEE provides you with a number of functions and indications to satisfy your demands for riding. The indications on NOKEE include:

- ◆ Battery indications;
- ◆ Speed indication (including real-time speed, maximum speed and average speed);
- ◆ Miles indication (including indicators for single-trip miles and total miles);
- ◆ Indication of push cruise;
- ◆ A number of settable parameters, such as wheel diameter, speed limit, setting of battery, a number of PAS levels, switching headlight, automatic shutdown, as well as burning of external program through dis-pro.



The above functions are only existing functions of the product, which is subject to expansion according to customer's demands, such as settings of boosting parameters, power-on password setting and controller current limit setting.

4.2 Indications



Normal display of NOKEE

5. Installation Instructions

Open the gripper to clip the meter onto handlebar. Adjust it until appropriate angle of view is obtained, then tightly screw the gripper to a proper torque, which is advised to be 1.5N.M.

5.1 Installing onto handbar



Open the gripper as per the direction of the arrow



Adjust the angle and tighten the screw.





Installation finished.

6. Normal Operations



6.1 Power on/off

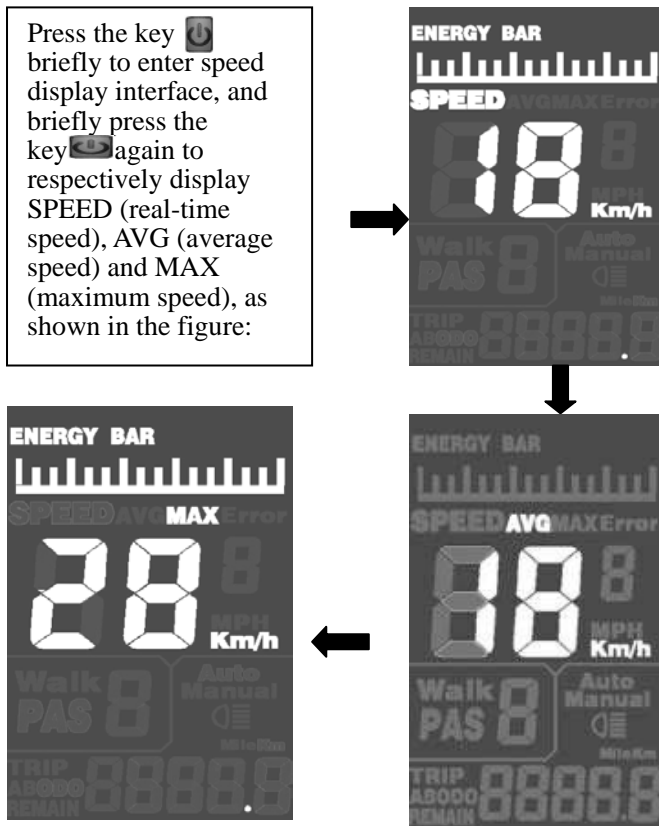


Press the key  for several seconds to initiate the meter and supply power to the controller. Press the key  for several seconds while power is on to cut off the power of e-bike. While power is off, the meter will no longer consume power of the battery and the leakage current is less than 1uA.

The meter will automatically shut down if the e-bike is suspended for over 10 minutes.

6.2 Displaying Running Speed

Press the key  briefly to enter speed display interface, and briefly press the key  again to respectively display SPEED (real-time speed), AVG (average speed) and MAX (maximum speed), as shown in the figure:




Interfaces displaying running speed

6.3 Setting Push Cruise



Push cruise interface



While the power of meter is on, press  for 3 seconds to enable push cruise for the e-bike, as shown in right figure. The e-bike will runs at a constant speed of 6km/h. “Walk 1” is displayed on screen.



Push cruise is only for pushing the e-bike; do not use the function when you are riding the bike.

6.4 Switching Headlight



Long press  to display the symbol , as shown in the right figure, which indicates the headlight is on.

Long press  again to switch off the headlight.

Headlight switching interface



If the e-bike has no headlight function, the symbol  will not be displayed.


6.5 Battery Indication

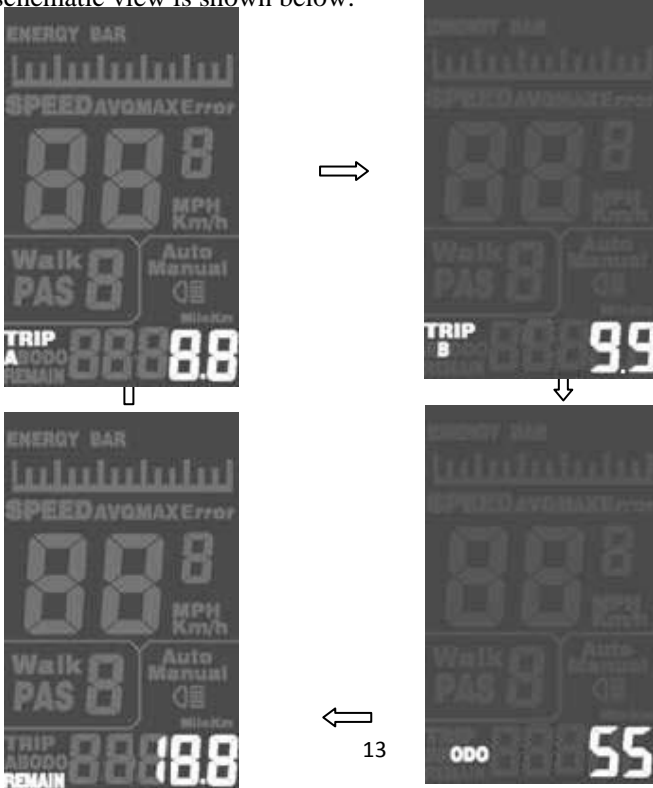
When the battery has sufficient voltage, all the five lines will be displayed on LCD. When only one line is displayed, it indicates low battery, requiring prompt recharging.



The battery symbol as shown in the right figure indicates low battery and requires prompt recharging!

6.6 Indication of Miles

Press the key  briefly to switch among indications of mile information in the following order: TRIP A (single trip miles A) →TRIP B (single trip miles B) →ODO (accumulated miles) →RMAIN (remaining miles) →TRIP A (single trip miles A). The schematic view is shown below:



6.7 Error Code Display

Malfunctions in electrical control system of the e-bike will trigger automatic display of ERROR on the meter with corresponding error codes. See **Attached Table 1** for definitions of detailed error codes.



Only after trouble shooting the error code exit. It is not possible to run defective e-bike.






Attached List 1: Definitions of error codes

Error codes	Definitions
21	Current abnormality
22	Throttle abnormality
23	Missing phase on motor
24	Motor Hall signal abnormality
25	Brake power-off sensor abnormality
30	Controller/instrument communication abnormality




7. Instrument Settings

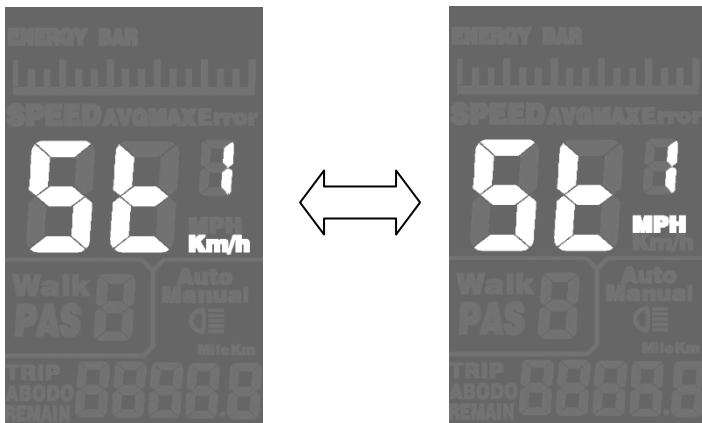
7.1 Settings before Riding

After power on, the instrument displays real-time speed by default. Press  and  for 3 seconds, to enter setting state of unit/speed limit/wheel diameter.

Briefly press  to switch display information in the following order, s t ¹ switch between metric and imperial system (Km/h—Mp/h)→ s t ² speed limit setting (unit: Km/h—Mp/h)→ s t ³ wheel diameter setting (unit: inch)→ s t ¹ switch between metric and imperial system (Km/h—Mp/h).




7.2 Setting of Metric/Imperial System

In setting state, ST¹ stands for metric system selection. Briefly press  or  to switch between metric (Km) and imperial unit (Mp). Briefly press , to confirm the setting and enter ST² setting interface.



7.3 Maximum Speed Limit Setting






Briefly press  or  to set maximum limit speed, which is from 20 Km/h to 40Km/h. Briefly press  to confirm and enter the wheel diameter setting interface. The maximum limit speed of factory setting is 25Km/h.






Maximum limit speed is subject to customization depending on demands.

7.4 Wheel Diameter Setting

Briefly press  and  to select corresponding wheel diameter, to guarantee accuracy of speed display and mile display on the meter. It can be set to be 16, 18, 20, 22, 24, 26, 28 and 700C. The factory default setting of wheel diameter is 28inch. Briefly press  to confirm and enter running speed display.



7.5 Exit Settings

Under setting state, briefly press  (no longer than 2 seconds) to confirm and save current setting. Press  and hold it (at least for 2 seconds) to confirm and save current setting, and exit current setting. Press  and hold it (at least for 2 seconds) to cancel current operation and exit without saving current settings.



Setting interface will exit automatically if the meter is suspended without any operation for 1min.

8. FAQ

Question: why the meter does not start up when the button is pressed?

Answer: check and be sure the battery switch is on or check the outgoing cable for broken wires.

Question: how to deal with the malfunction code displayed on the meter?

Answer: get your bike at repair station in a timely manner.

9. Barcode of the Meter



513NOKEE36L0376S4001

In the number 513NOKEE36L0376S4001 below the instrument barcode, 513 refers to the customer code, NOKEE the product name, 36L the voltage of product battery, 0376 the drawing No., and S4001 the software version No..

10. Quality Assurance and Scope of Warranty

10.1 Warranty Information:

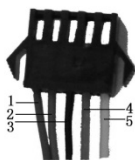
- ◆ Any malfunction caused by quality defects of the product during normal use will be covered by limited warranty of the company within warranty period.
- ◆ The warranty period is 24 months since the meter is delivered from the factory.

10.2 The following circumstances will not be covered by warranty.

- ◆ Opened enclosure
- ◆ Damaged plug connector
- ◆ Scratched or damaged enclosure after delivery
- ◆ Scratched or broken lead wires of the meter
- ◆ Fault or damage due to force majeure (such as fire and earthquake) or natural disasters (such as lightning stroke)
- ◆ Expired warranty

11. Wiring Diagram

11.1 Wire Sequence of Standard Plug Connectors



To controller



The end on meter



For joint

Table: wire sequence of standard plug connectors

Standard wire sequence	Color of standard wire	Function
1	Red (VCC)	Power cord
2	Blue (K)	Power supply control wire of controller
3	Black (GND)	Grounding wire
4	Green (RX)	Data receiving wire
5	Yellow (TX)	Data transmitting wire



Note: water-proof plug connectors are used for the wires of some products, so the users cannot see the colors of the enclosed wires.

12. Change of Version

This Users Guide is prepared for general-purpose software (V1.0) of Tianjin King-Meter Electronic Co., Ltd. The version of software used on some bikes may be slightly different, which should depend on the actual version in use.