




retrospec V3 LED Display Guide User Guide

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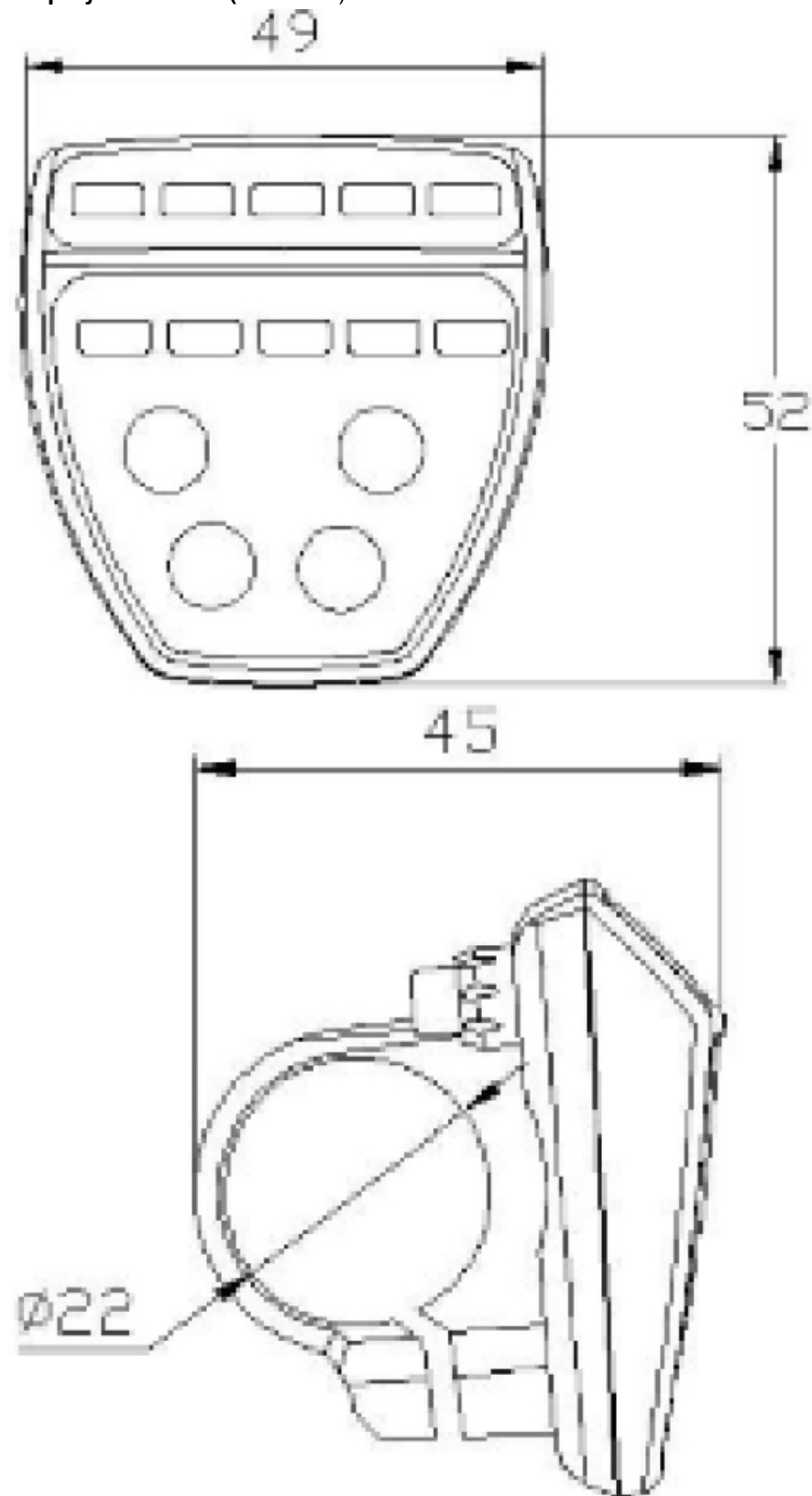
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Appearance and Dimensions

Materials and Color

The T320 LED product shell uses white and black PC materials. The material of the shell allows normal use at a temperature of -20°C to 60°C, and can ensure good mechanical properties.

Display dimension(unit: mm)



Functions and Button Definition

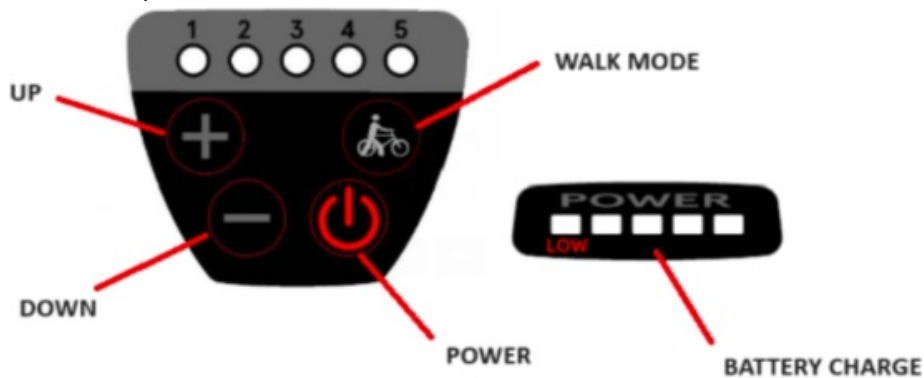
Functions Summary

T320 provides you with a variety of functions and displays to meet your riding needs. The contents displayed as follows:

- Battery Indication
- PAS level Indication
- 6km/h Walk assist function Indication
- Error Codes

Button Definition

There are four buttons on the T320 display. Including power button, up button, down button, and walk mode button. In the following description, the power button is replaced with the text “power” button is replaced with the text “Up,” button is replaced with the text “Down,” and the walk mode switch button is replaced by the text “Walk”.



Precautions

Pay attention to safety during use, and do not plug or unplug the meter when the power is on.

Avoid striking or knocking the display.

In the case of errors or malfunctions the display should be returned to your local supplier for repairs/replacements.

Installation instruction

With the bike off, Loosen the fixing screw and adjust the display position to suite your personal needs. Check the plug the connection at the wiring harness to insure a good snug connection.

Operation Instruction

Power ON/OFF

After pressing the Power button shortly, the display starts to work and provides the controller working power. In the power-on state, short press the Power button to turn off the power of the electric vehicle. In the shutdown state, the meter no longer uses battery power, and the leakage current of the meter is less than 1uA. If the e-bike is not used for more than 10 minutes, the display will automatically shut down.

6km/h Walk assist function

Hold the MODE button after 2 seconds, the e-bike enters the state of walk assist. The e-bike is riding at a constant speed of 2mph (3.5kpy), and the gear position indicator is not displayed. The power-assisted push function can only be used when the user pushes the e-bike, please do not use it when riding.

PAS level setting

Short press the UP or MODE button to switch the power-assisted level of the e-bike and change the output power of the motor. The default output power range of the meter is 0-5 gears, level 0 is no output level, level 1 is the lowest power, and level 5 is the highest power. The default level when the display turned on is level 1.

Battery Indication

When the battery voltage is high, the five LED power indicators are all on. When the battery is under voltage, the last power indicator flashes for a long time, indicating that the battery is seriously undervoltage and needs to be charged immediately.

Error Codes

When the e-bike electronic control system fails, the display will automatically flash the LED light to indicate the error code. For the definition of the detailed error code, see Appendix 1. The fault display interface can only be exited when the fault is eliminated, and the e-bike cannot continue to drive after a fault occurs.

FAQ

Q: Why can't turn on the display?

A: Please check whether the battery is turned on or the leakage lead wire is broken.

Q: How to deal with the error code display?

A: Contact the e-bike maintenance station in time.

Version No.

The user manual of this instrument is the general software version (V1.0 version) of Tianjin King-Meter Technology Co., Ltd. The version of display software used on some bike may be slightly different from this manual, and the actual version shall prevail.

LED Flash

Once: Over Voltage—Check battery, Controller and All connections

Twice: Under Voltage—Check battery, Controller and All connections

Three Times: Over Current—Check controller and All connections

Four Times: Motor not turning—Check motor connection and Controller

Five Times: Motor Hall Fault—Check motor and Connections

Six Times: MOSFET Fault—Check controller and Connections

Seven Times: Motor Phase Loss—Check motor connection

Eight Times: Throttle Fault—Check throttle connection

Nine Times: Controller Over Temperature or Runaway Protection—Controller or Motor—Let system cool and check connections

Ten Times: Internal Voltage Fault—Check battery and Connections

Eleven Times: Motor Output without Pedaling—Check connections

Twelve Times: CPU Fault—Check controller and Connections


Thirteen Times: Runway Protection—Check battery and controller

Fourteen Times: Assistance sensor Fault—Check sensor and Connections

Fifteen Times: Speed sensor Fault—Check connections

Sixteen Times: Communication Fault—Check connections

Documents / Resources

	<p>retrospec V3 LED Display Guide [pdf] User Guide</p> <p>V3 LED Display Guide, V3, LED Display Guide, Display Guide, Guide</p>
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References

- [User Manual](#)

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