
GT -100 manual panel instructions

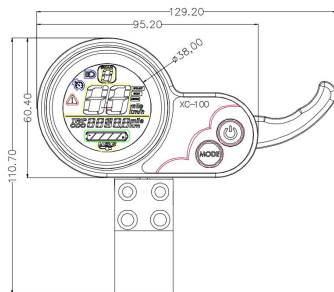
(for scooters)

Updated version 2023- V1.6

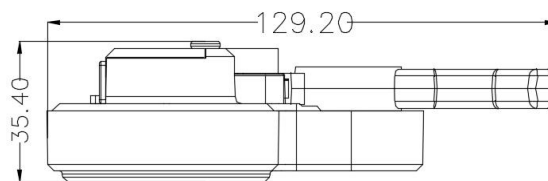


一、 Appearance Size and Material

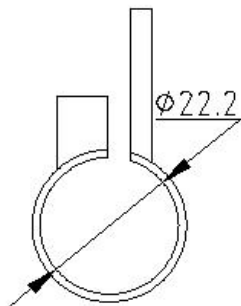
ABS, liquid crystal transparent window is imported high hardness acrylic, hardness value is equivalent to toughened glass.



Front map



Side view



GT -100 bracket

二、 Working Voltage and Connection Mode

1、 Operating voltage: DC24V/36V/48V/60V compatible (instrument selection setting),
other voltages can be customized.

2、 Wiring mode:

标配接插件线序



表：标配接插件线序表

标配线序	标配线颜色	功能
1	红色 (VCC)	仪表电源线
2	蓝色 (K)	控制器的电源控制线
3	黑色 (GND)	仪表地线
4	绿色 (RX)	仪表的数据接收线
5	黄色 (TX)	仪表的数据发送线

Note: The lead wire of some products adopts waterproof connector, the user can not see the lead color inside the wire harness.

三、 Function description:

Functions:

1. display function

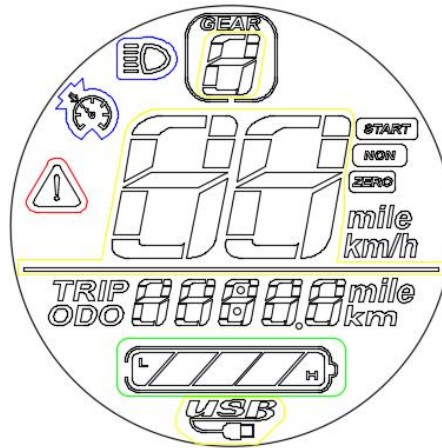
Speed display, power indication, fault indication, total mileage, single mileage

2. control, setting function

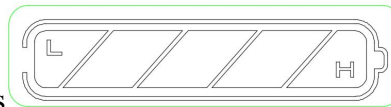
power switch control, wheel diameter setting, idle automatic sleep time setting, backlight brightness setting, start mode setting, drive mode setting, voltage level setting, controller current limit setting, USB charging function,

3. communication protocol: UART

Display full content (full display within 1 S)



Presentation



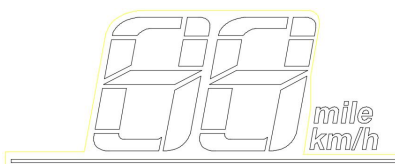
3.1 POWER of voltage status



3.2 Multi-function display area

Total mileage ODO、 Single mileage TRIP、 Digital voltage display VOL、 Fault code ERR

Fault code (decimal)	Fault status	Remarks
0	Normal state	
1	Reservations	
2	Brake	
3	Power sensor failure (riding sign)	Not implemented here
4	6KM/H cruise	
5	Real-time cruise	
6	Battery undervoltage	
7	Motor malfunction	
8	Turn over the fault	
9	Controller Fault	
10	Communication receiving fault	
11	Communication transmit fault	
12	BMS communication failures	
13	Headlamp failure	



3.3 Speed display area

Unit MPH,KM/H

a speed signal is taken from the hall signal inside the motor and sent to the instrument through the controller .(time of a single hall period, unit :1 MS) the instrument will calculate the true speed according to the wheel diameter and signal data (the motor hall also needs to set the number of magnetic steel).

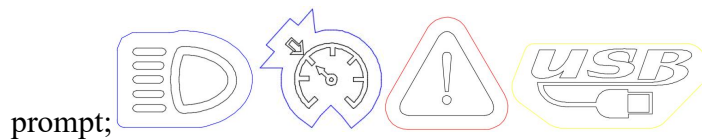


3.4 Vehicle power gear adjustment ,0-9 digital display;

3.5 Vehicle Status Display Area



: zero start and non-zero start prompt;; headlight turn on prompt;; constant speed cruise prompt;; communication fault prompt;; USB charge



prompt;

4. settings

P01: backlight brightness ,1 darkest ,3 brightest;

P02: mileage unit ,0: KM;1: MILE;

P03: voltage rating :24 V,36V,48V, default V;36

P04: dormancy time :0, no dormancy; other numbers are dormancy time, range :1-60; unit minutes;

P05: booster gear :0;3;1;5;

P06: wheel diameter: unit, inch;5.0-50.0 adjustable, precision :0.1;

P07: Velocimetry: range :1-100;

P08: speed limit: range 0-100 km/h,

P09: zero start, non zero start setting ,0: zero start ;1: non zero start;

P10: drive mode set 0: power drive (through the power gear to determine how much power output, at this time turn invalid).

1: electric drive (by turning the handle drive, at this time the booster gear is invalid).

2: power drive and electric drive coexist simultaneously.

P11: Help Sensitivity Set :1-24

P12: power start strength setting :0-5;

P13: Auxiliary Magnetic Disc Type Setting :5,6,8,12 Magnetic Steel Four Types

P14: controller current limit set default 12 A range :1-20 A

P15: controller undervoltage value :31.5, ± 5 V adjustment range;

P16: ODO zero setting long press key 5 seconds ODO zero

P17: 0: not enable cruise ,1: enable cruise; automatic cruise optional (controller support required)

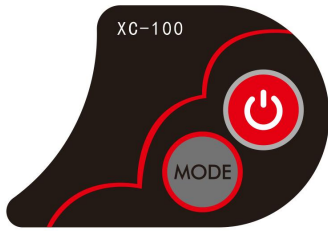
P18: show speed scale range :50%~150%,

P19: 0 enable bit 0: with 0,1: without 0

P20: 0: 2 Agreement 1:5 S Agreement 2: J-LCD Agreement 3: Standby

P21: ER 0 no error code; ER 1 has error code

四、Key and Interface Profile:



1. shutdown state, long button  boot; after boot, short button , interface between ODO、TRIP、VOL switch,

2. boot state, long button  shutdown, short press MODE key, switch GEAR gear;

3. long press  +  key into the menu setting interface, in the P01 interface, short key  switch menu to P02, short key  to change the current bit value;

3.1 To enter the menu setting interface, in any menu state, the short key  switches the menu, the short press or the long key  increases or decreases the value (the long key  changes the value addition direction, the left side displays "A" indicates the increase value, the left side displays "d" indicates the decrease value), after the modification, the short key  switches to the next parameter, and saves the previous parameter value; after the parameter modification completes again the long press  +  key exits the setting interface, or waits for 8 seconds to automatically exit and save the parameter.

4. Adjust motor speed crank, from top to bottom, motor speed increase; let go back to zero.

Note: As a result of the company product upgrade may you get the product part of the display content will be different from the specification, but will not affect your normal use.