

Left mounted LCD Display



Version	Date	Status	Author
V01	12 th ,June,2018	Creation	JN

1. General presentation:

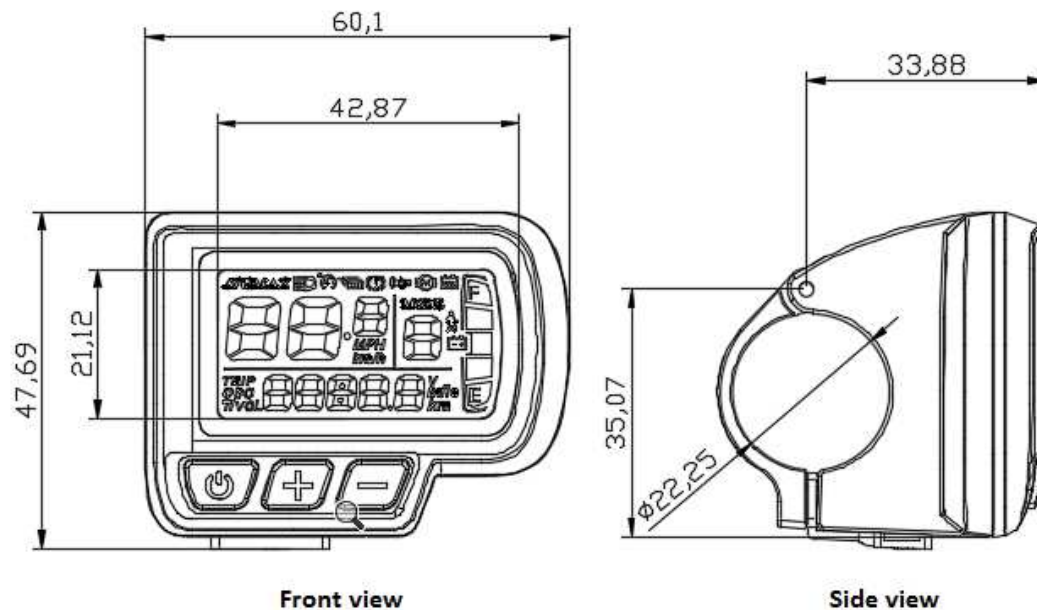
- Dimension and material:

Material:

Case&Cover: ABS

Window: Hardened PMMA

Dimension:



- Operating voltage

DC24V , 36V, 48V, could be set in parameter setting mode, for STIGO, 36V will be fixed

- Wire definition



No.	Wire color	Description
1	Red(Vcc)	Power supply from battery +
2	Blue(DS)	Ignition
3	Black(GND)	Ground
4	Green(Rx)	UART Receive
5	Yellow(Tx)	UART Send

Table 1

2. Function description:



Item no.	Icon	Description
1		Real time speed , In km/h or mph(could be set in parameter mode)
2		Average speed In km/h or mph
3		Max speed In km/h or mph
4		Battery level indicator In total 5 levels, for each level, voltage scale could be customized

5		Real time battery output voltage in Volt
6		Single trip distance, unit in 0,1, in km or mile
7		ODO distance , unit in 1, in km or mile
8		Different speed mode
9		Head light indicator
10		6km/h mode
11		Cruise mode
12		Brake is on

Table 2

3. Normal working mode:

- Power on/off:

Hold , screen will first display all contents and then enter normal working mode, hold again  or no any operation both on bike and display during 10 minutes (time could be set), the display will turn off (Hibernate mode)

- Mode change:

For STIGO, there are 4 modes: Mode 1->Mode 2->Mode 3->Mode S
After power on, Mode 2 is default mode

Press  or  will switch different modes, For Mode 1,  will be displayed to show max speed is 6km/h

Remark: motor will be only controlled by throttle, should not be activated by pressing any button

- Light control

Hold  will turn on/off the light, light control module is inside the controller

4. Parameter setting mode:

Hold  and  will enter parameter setting mode, hold again 
and  will quite this mode.

Under this mode, press  will save current parameter value and switch to next parameter, press  or  will increase or decrease parameter value:

Parameter list:

No.	Description
P00	Restore factory settings
P01	Backlight brightness, level 1- lowest, Level 3-highest
P02	Change metric, 0: KM; 1:MILE
P03	Battery voltage, fixed to 36V
P04	Hibernate mode time: from 1 to 60 minutes, 0:never enter this mode
P05	Speed modes, fixed to 5 modes, use only 4 modes
P06	Wheel size: unit in 0,1 inch
P07	Number of magnets for speed calculation: from 1 to 100
P08	Speed limit from 0-50km/h, 50: no limit
P09	Zero speed start, 0: zero stat; 1: Non zero start (which means need to

	provide vehicle with initial speed then turn throttle will activate motor)
P10	Driving way selection, fixed to 1, which means only throttle mode available
P11	Assist sensitivity: from 1 to 24, not used, hide
P12	Assist starting power: from 0 to 5, not used ,hide
P13	Pedal assist disc type: 5 or 8 or 12, magnets, not used, hide
P14	Current limit of controller: from 1 to 20A, 12A by default
P15	Reserved
P16	Reset ODO distance: hold  5 seconds will reset ODO distance

Table 3

5. Error code

Code(Decimal)	Description
0	Normal
1	Reserved
2	Brake Error
3	Reserved
4	6KM/H Error
5	Cruise control error
6	Battery low voltage protection
7	Motor Error
8	Throttle Error
9	Controller Error
10	COM receive Error
11	COM send Error
12	BMS communication Error
13	Head light Error

Table 4