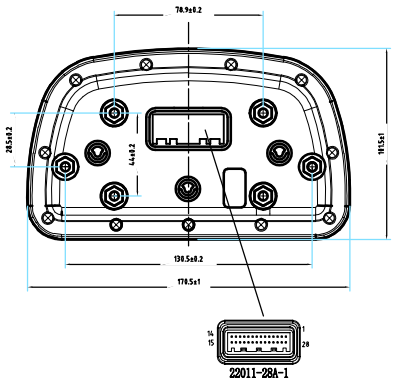
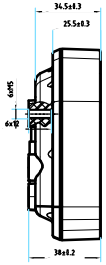
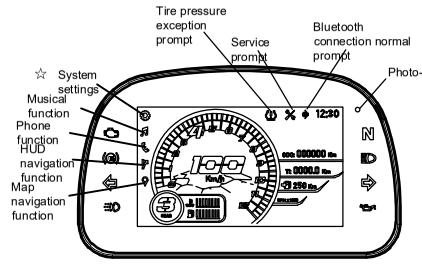


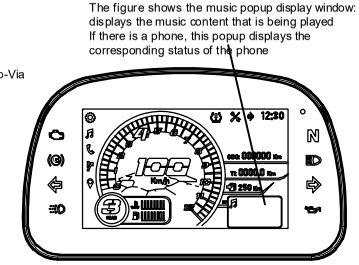


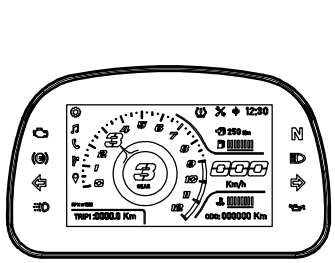
22011-28A-1

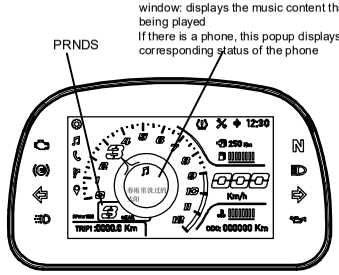
Pin Function Definition

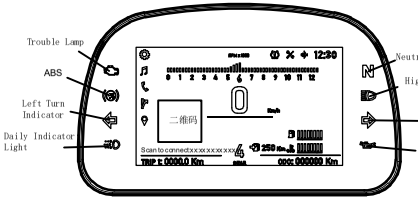
Connector number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Function definition	IGN			GND	RHB	TR	HL		GND	POS	TL		AN	OBD	BAT	BACK	DOWN	UP	SET	GW	GND	GND	GND		NIL	CAN_H	CAN_L	REV	SPD
Symbol																												
Pin type					BLUE	GREEN	RED				GREEN	GREEN	YELLOW	YELLOW														
Default level	12V+			12V-	12V+	12V+	12V-				12V+	12V+	CAN	12V-	12V+	12V+	12V-	12V-	12V-	Instrument								

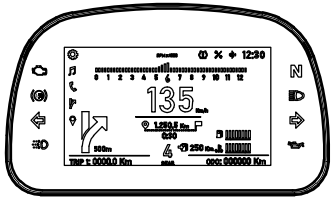


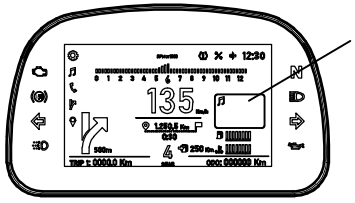


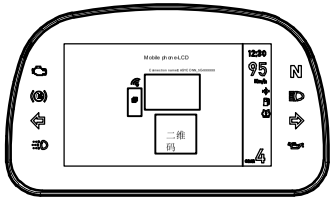


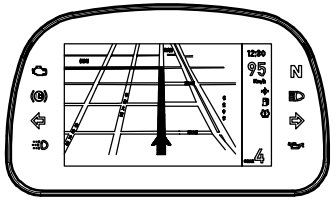


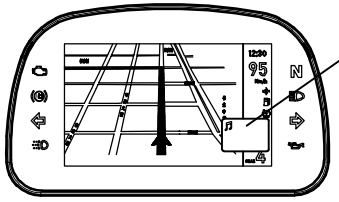












Technical Requirement

1、Product Appearance Requirement：

(1)Surface should be flat、Smooth edge，No scratch、Greasy dirt、Defects such as cracks that affect appearance quality and light transmission effect；

(2)Symbols, numbers and other signs on the display screen must be clear, complete, without deformation, deviation and other defects; (3)The combination between the layers of the display screen is firm, the electrode and the display screen have no bending and other defects;

(4)When the power is turned on, the display area of the display should not have display defects that affect the visual effect.

2、Function

(1)Indicator function: with fault indicator light, ABS alarm light, left turn indicator light, day running indicator light, neutral indicator light, far light indicator light, right turn indicator light, oil pressure alarm light, each indicator symbol and color indication in line with GB15365-2008 <<Motorcycle control parts, indicators and signal position of the graph>>;

(2)Instrument with speed indicator, speed indicator, cylinder temperature indicator, fuel indicator, time, mileage, tire pressure monitoring, music, talk, navigation and other functions;

(3)The Settings of each menu comply with the requirements of DASH-P15 Design Note.

3、Parameters

(1)Speed: The front wheel outputs 56 pulse signals each turn, and the wheel diameter is 625mm, corresponding to the following display:

Frequency (Hz)	76.3	150.8	301.2	451.8	602.4	753	903.6	1054.2	1204.8	1355.4	1506
Speed(Km/h)	10	20	40	60	80	100	120	140	160	180	200
Error(Km/h)	±1	±1	±1	±1	±1	±1	±1	±1	±1	±1	±1

(2)Speed: Each turn of the crankcase generates a signal, and the ECU outputs +12V square wave, which is displayed as follows:

Frequency (Hz)	16.6	33.2	66.4	99.6	132.8	166	182.6
Rotate Speed(r/min)	1×600	2×600	4×600	6×600	8×600	10×600	11×600
Error(RPM)	±200	±200	±200	±200	±200	±200	±200

(3)Fuel indicator: When 8 segments are displayed, the fuel indicator is in F state; when no segment is displayed, the fuel indicator is in E state; when the display segment is > 2 segments, the fuel indicator is in white; when the display segment is in 2 and 1 segments, the fuel indicator is in red; when the display segment is in 1 and O segments, the fuel indicator turns yellow and blinks at 1Hz frequency. According to the input of the resistance value, the corresponding indicator segment is displayed, corresponding to the following:

Display Segment	Stage 8	Stage 7	Stage 6	Stage 5	Stage 4	Stage 3	Stage 2	Stage 1	Stage 0	Target point (Resistance Value)
Value of Resistance(Ω)	<30	<75	<125	<175	<250	<350	<450	<600	<1000	≥1000
Error(Ω)	±2	±2	±2	±2	±2	±2	±2	±2	±2	±2

(4)GEAR display: the input signal is the resistance value, which is displayed according to the resistance value of the corresponding gear. When the gear is neutral, the light on N will be displayed as "-" at gear, GEAR N and the display numbers of each gear will be displayed as white, and the parameters of each gear are as follows:

GEAR Display	Speed N	Speed 1	Speed 2	Speed 3	Speed 4	Speed 5	Speed 6
Value of Resistance(KΩ)	0	2.2±0.2	4.7±0.2	6.8±0.2	10±0.2	15±0.2	21±0.2

(5)Water temperature display: Input temperature data according to CAN and display segments according to the temperature value. When the temperature is greater than or equal to 110 ° C, the red segment (7th and 8th segment) is displayed, and the corresponding segment corresponding to the corresponding temperature value is as follows:

Display Segment	Stage 0	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6	Stage 7	Stage 8
Temperature(℃)	<29	≥29	≥38	≥65	≥91	≥97	≥103	≥110	≥116

(6)The electrical characteristics of the instrument are as follows:

Project	Characteristic Parameter
Operating Current	≤1A(12V)
Power	≤12W
Quiescent Current	<1.5mA

(7)Tire pressure monitoring: tire pressure display unit: KPa, when 180Kpa > tire pressure > 100Kpa or ≥320Kpa tire pressure, tire pressure warning symbol appears on the main interface, the display color is yellow; When the tire pressure is less than 100Kpa, the tire pressure warning symbol appears on the main interface, the display color is red, and the user can query the specific information of the tire pressure in the vehicle information menu;

(8) Maintenance: The first 500Km, after every 3000Km maintenance reminder, when the maintenance mileage ≤100Km, the maintenance prompt symbol appears on the instrument interface, informing the user that maintenance needs to be carried out.

(9) Range: according to the amount of remaining oil in the tank and the actual fuel consumption of 100 kilometers, the first range is displayed for the corresponding segment Test the calibration values. The relevant calibration points are shown in the table below. When the fuel indicator section is not displayed, the oil level of the tank is in reserve state, and the oil level is about 2 liters.

Oil level display section	Reset calibration	Reset stop calibration	Calibration oil O.D	Test calibration value (Ω)
No Display	√	√	0	0
STAGE 1	√		1.5	30
STAGE 2	√	√	3	60
STAGE 3	√		4	80
STAGE 4	√	√	6	120
STAGE 5	√		7.5	150
STAGE 6	√		9.5	190
STAGE 7	√	√	11	220
STAGE 8	√	√	13.5	270

4、Specific function operations:

(1) Tire pressure learning matching: Enter the BIKE INFO mode, long press the SET and ▼ keys, enter the matching mode, first enter the tire selection state, short press the ▼ or ▲ key for tire selection, select the SET key to enter the matching mode (character yellow flashing (CPU sent), matching success, character yellow steady on (MCU sent), matching midway need to stop, You can press the BACK key to return to the selected state. The match fails or the match interrupt character turns red. A successful match indicates that the character is displayed in yellow; Long press the BACK and ▲ keys to exit the matching mode;

(2) Display of tire pressure status: A. Select status: character white flashing; B, check match: character yellow flashing; C, matching success: character yellow display; D, match interruption or failure: the character flashes red;

(3) Reset maintenance mileage: long press ▼ and ▲ keys, the maintenance prompt disappears, and the maintenance mileage is reset to 6000Km;

(4) Each function menu: the menu operation button is located at the combination of the switch on the left hand, and the relevant operation is explained in the user manual.

5, CAN function corresponding test: baud rate is 500KbS, related test functions are as follows:

Function	ID	Send Data	Test Specification
Temperature	00000110	0000000000000000	0E The current water temperature is 138 °C, the resolution is 0.75, and the offset is -48, in °C
ABS	00000128	0000000004000000	04 is ABS light on, 00 is not on.
Voltage	00000111	0000000000000800	08 then the current voltage value is 16V, the resolution is 0.1, the unit is V.
Tire Pressure	00000390	00FFFF5C20202020	5C is the front tire pressure, the display value is 220KPa, 5C is the rear tire pressure, the display value is 220KPa.

6, navigation function connection method is as follows:

6.1 APP Download: Select the navigation icon to enter → The phone scans the QR code in the dashboard to download and install the APP;

6.2 First connection: You can choose to scan code connection or manual connection;

6.2.1 Scanning code connection: Open the mobile APP→ click WIFI connection ‖ Bluetooth connection → scan the meter two-dimensional code to display successful connection and then use the navigation function in the APP;

6.2.2 Manual connection: including Bluetooth connection and WIFI connection;

6.2.2.1 Bluetooth Connection: Open the mobile APP→ tap WIFI connection → Bluetooth Connection → Tap Bluetooth Connection → Select the corresponding Bluetooth SEIEMMEZZO-LE-XXXX for connection, the HUD navigation function in the APP will be displayed if the connection is successful;

6.2.2.2 WIFI Connection (only for Android) : Open the mobile APP→ Settings menu → click on WLAN direct connection → select easyConn_5GXXXXXX (the name is the same as that displayed on the meter) to connect the device, and the map navigation function in the APP will be displayed if the connection is successful;

6.3 Connect the device again; When the instrument is opened, enter the navigation menu and run the APP to realize automatic interconnection. If the interconnection fails, you can choose manual connection or scan code connection.

7. Bluetooth connection between the phone and the instrument: select the SET icon, press the Set key on the switch with your left hand → Select Device connection → You can see the name of the Bluetooth device SEIEMMEZZO-XXXX, turn on the Bluetooth of the phone, search for the Bluetooth device SEIEMMEZZO-XXXX for connection, and the Bluetooth prompt will be displayed on the instrument after the connection is normal;

8, headset and meter connection: select the SET icon, press the left hand switch SET key → Select device connection, press SET key → Select headset 1, press SET key → search headset device, select the corresponding headset device, press Set key, the headset will indicate that the Bluetooth connection is normal, press the BACK key to exit the menu;

9, type test: the instrument must meet the performance test requirements, type test content and requirements see "instrument test requirements".

10. EMC performance meets the relevant provisions of ECE R10.

11. The size not specified is subject to 3D data, and the surrounding gap is uniform after matching with related plastic parts to meet the assembly requirements.

12. If the status changes, the version information will be differentiated according to the number of the initial version information:

The initial version information is as follows
MCU：1.5
CPU：V1.5.4
FSC-HT966C.V1.5.6.20211021 (20211021 is the production date of Bluetooth, subject to change)
HT936.V4.3.7.20220621 (20220621 is the production date of Bluetooth, subject to change)

☆13.Add the Selection View submenu in the setting menu bar, and add two daytime mode views: STR and SCR.

☆14. Corrected the boundary condition of the range after power failure and restart (MCU version from V1.4 to V1.5).

☆15, the system menu under the language option added Spanish.

☆16. The specifications are the same except that the description of the items with "☆" is different from that of 3510000-P15A-1010.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC warning:
Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
-Reorient or relocate the receiving antenna.
-Increase the separation between the equipment and receiver.
-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator& your body.

IC warning:
This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2)this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator& your body.

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20cm de distance entre la source de rayonnement et votre corps.