Installation

- Turn the key to ON position
- Plug the OBD-II connector
- The screen will display the message

- Approximately 3 seconds the Smart gauge will start to scan the ECU

Note: - If the identified ECU not found ,the Smart gauge will be shut down within 10 seconds

- The Smart gauge will automatically shut down when the engine stop and the key turned to OFF position

LCD back light intensity adjustment

- Press the LEFT button to decrease the intensity
- Press the RIGHT button to increase the intensity

Read the diagnostic trouble code (DTC)

- Press ENT button the screen will display message

- Press ENT button to select the menu “1.READ DTC” the screen will display the message

- Approximately 10 seconds the Smart gauge will display the report message

If no DTC the screen will display the message and back to main menu within 5 seconds

If DTC found,the screen will display amount of DTC and switch to the first DTC detail within 5 seconds automatically

Clear the diagnostic trouble code

- Press the ENT button ,move the cursor to “2.CLRAR DTC”

- Press the ENT button ,the screen will display the message

- Approximately 10 seconds the Smart gauge will display the report message and return to main menu within 5 seconds

Display mode setup

- Press the ENT button the screen will display the main menu.Move the cursor to “3.DISPLAY”

- Press the ENT the screen will display

- Press the LEFT or RIGHT buttons to select the display mode

  MODE 0: 3 parameters per page will be displayed

  MODE 1: 1 parameter per page will be displayed

- Press the ENT button to return to main menu

Parameters setup

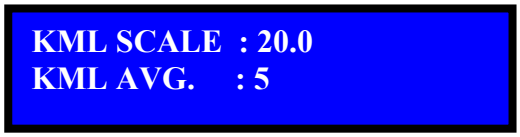
KML SCALE : the constant data to calculate the estimated fuel consumption (Not applicable for Mitsubishi Triton)

KML ACG. : the estimated fuel consumption average period (Not applicable for Mitsubishi Triton)

KMH CAL. : the constant data to correct the KMH error

- Press the ENT button,move the cursor to “4.PARAMETER”

- Press the ENT button to enter the parameter setup menu



Press the UP or DOWN to move the cursor

Press the LEFT or RIGHT to edit the data

Move the cursor to “EXIT” ,press the ENT button to save the data and return to main menu

Alarm setup

RPM(HI) This function will be activated when the engine speed (RPM) over the setpoint. The yellow LED lit until the RPM lower than the setpoint

ECT(HI) This function will be activated when the engine coolant temperature (ECT) over the setpoint.The red LED lit and buzzer activated until the ECT lower than the setpoint

VBATT(LO) This function will be activated when the car battery voltage (BATT) lower than the setpoint.The red LED lit and buzzer activated until the BATT voltage more than the setpoint

- Press the ENT button,move the cursor to “5.ALARM SETUP”

- Press the ENT button the screen will display

- Press the UP or DOWN button to select the alarm parameter
- Press the LEFT or RIGHT button to edit the data

- Move the cursor to “EXIT” ,press the ENT button to save the data and return to main menu

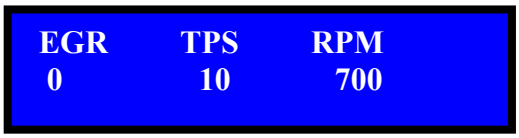
MODE 0 Real time data display

- IAT1 (Intake Air Temperature sensor1,located before inter-cooler) Unit: Degree Celsius
- IAT2 (Intake Air Temperature sensor2,located after inter-cooler) Unit: Degree Celsius
- ECT (Engine Coolant Temperature) Unit: Degree Celsius

- ECT (Engine Coolant Temperature) Unit: Degree Celsius
- FTM (Fuel temperature) Unit: Degree Celsius
- BATT (Battery voltage) Unit: Volt

- ACP1 (Accelerator pedal sensor1) Unit: %
- ACP2 (Accelerator pedal sensor2) Unit: %
- TPS (Throttle position) Unit: %

- TPS (Throttle position) Unit: %
- RPM (Engine speed) Unit: revolution per minute (rpm)
- KMH (Vehicle speed) Unit: kilometer per hour



- EGR (Exhaust Gas Re-circulate valve position) Unit: %
- TPS (Throttle position) Unit: %
- RPM (Engine speed) Unit: revolution per minute (rpm)

- RPM (Engine speed) Unit: revolution per minute (rpm)
- MAP (Manifold pressure) Unit: kilo pascal (kPa)
- TBP (Turbo Boost Pressure) Unit: pounds per square inch (psi)

- RPM (Engine speed) Unit: revolution per minute (rpm)
- KMH (Vehicle speed) Unit: kilometer per hour
- TBP (Turbo Boost Pressure) Unit: pounds per square inch (psi)

- ECT (Engine Coolant Temperature) Unit: Degree Celsius
- BATT (Battery voltage) Unit: Volt
- TBP (Turbo Boost Pressure) Unit: pounds per square inch (psi)

- RPM (Engine speed) Unit: revolution per minute (rpm)
- KMH (Vehicle speed) Unit: kilometer per hour
- CRP (Commonrail pressure) Unit: mega pascal (Mpa)

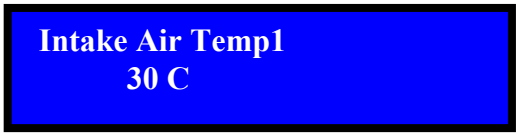
- TPS (Throttle position) Unit: %
- RPM (Engine speed) Unit: revolution per minute (rpm)
- CRP (Commonrail pressure) Unit: mega pascal (Mpa)

- **ECT (Engine Coolant Temperature) Unit: Degree Celsius**
- **FTM (Fuel temperature) Unit: Degree Celsius**
- **IAT2 (Intake Air Temperature sensor2,located after inter-cooler) Unit: Degree Celsius**

- **EGR (Exhaust Gas Re-circulate valve position) Unit: %**
- **RPM (Engine speed) Unit: revolution per minute (rpm)**
- **CRP (Commonrail pressure) Unit: mega pascal (Mpa)**

MODE 1 Real time data display

Engine Coolant Temperature Unit: Degree Celsius



Intake Air Temperature sensor1,

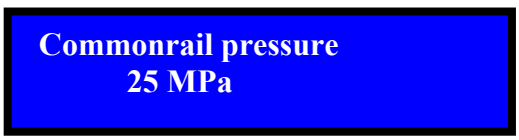
located before inter-cooler Unit: Degree Celsius

Intake Air Temperature sensor2,

located after inter-cooler Unit: Degree Celsius

Fuel temperature Unit: Degree Celsius

Manifold pressure Unit: kilo pascal (kPa)



Commonrail pressure Unit: mega pascal (Mpa)

Vehicle speed Unit: kilometer per hour (KMH)

Engine speed Unit: revolution per minute (rpm)

Exhaust Gas Re-circulate valve position Unit: %

Accelerator pedal position sensor1 Unit: %

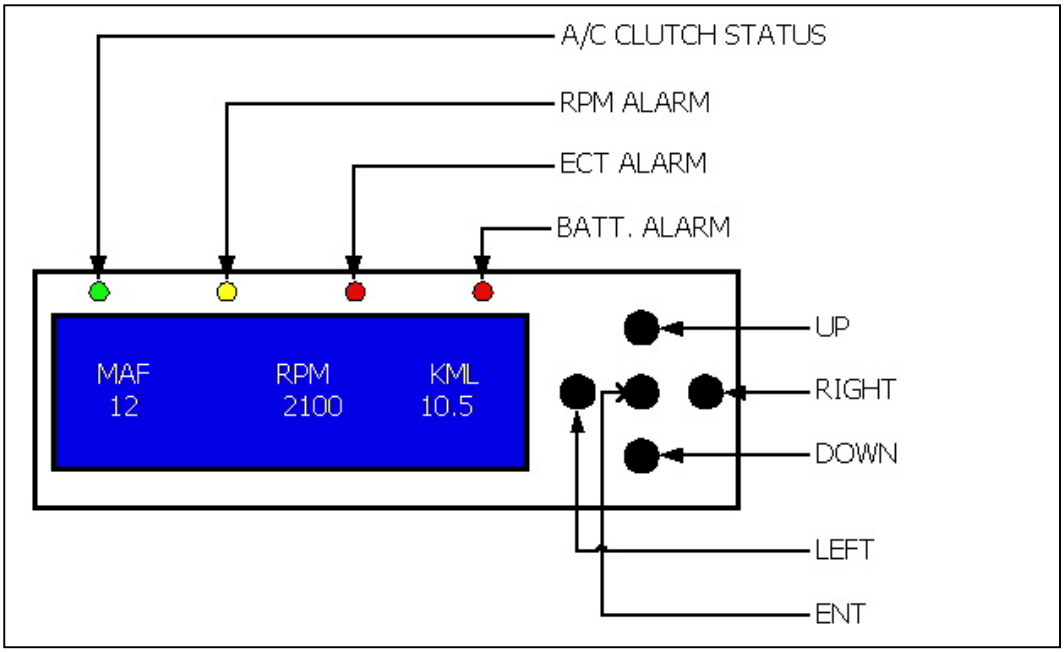
Accelerator pedal position sensor2 Unit: %

Battery voltage Unit: volt

ECU response, the communication speed between car's ECU and Smart gauge Unit: mS

Parameters table

ACP1	**Accelerator pedal position sensor1**	**%**
ACP2	**Accelerator pedal position sensor2**	**%**
BATT	**Battery voltage**	**V**
CRP	**Commonrail pressure**	**MPa**
ECT	**Engine coolant temperature**	**°C**
EGR	**Exhaust gas re-circulate valve position**	**%**
FTM	**Fuel temperature**	**°C**
IAT1	**Intake air temperature sensor1,located before inter-cooler**	**°C**
IAT2	**Intake air temperature sensor2,located after inter-cooler**	**°C**
KMH	**Vehicle speed**	**KMH**
MAP	**Manifold pressure**	**KPa**
RPM	**Engine speed**	**RPM**
TBP	**Turbo boost pressure**	**psi**



Dimensions: 120 x 48 x 30 mm (WxHxD)

Weigh : 300 grams