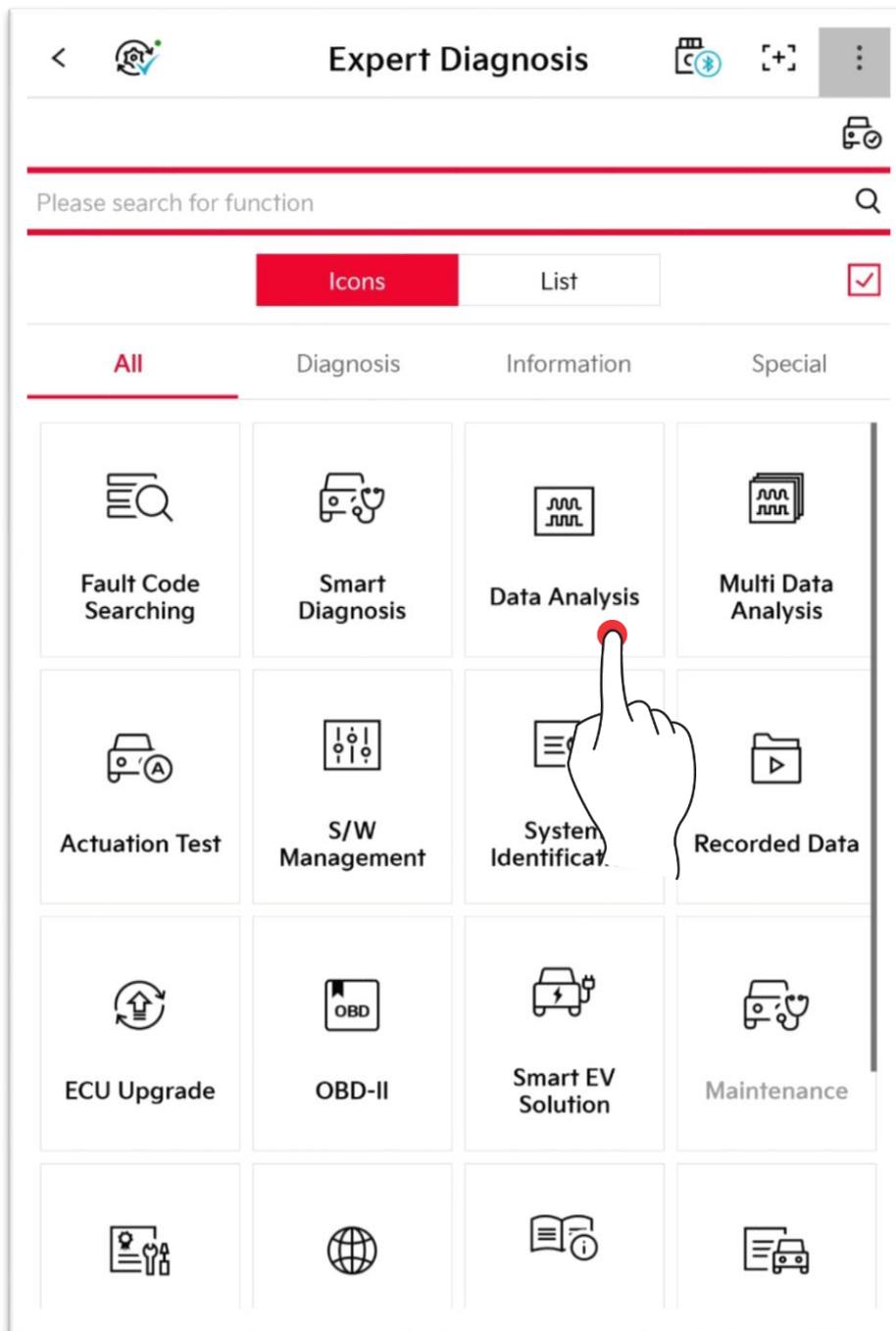


Expert Diagnosis - Data Analysis

This function allows various types of control modules mounted on the vehicle to confirm the parameter values, which control the sensor's signal input and movement of actuators, through vehicle communication.

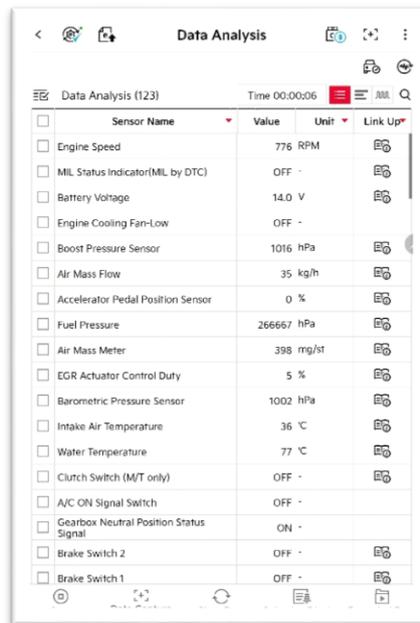


Mode

This is a description of sensor data indicating mode.

Text Mode

This indicates the sensor data in text format.

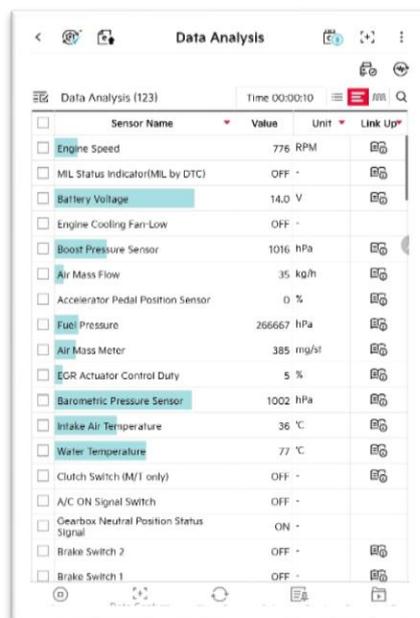


The screenshot shows the 'Data Analysis' interface in text mode. The title bar includes navigation icons, a refresh icon, the text 'Data Analysis', and a search icon. Below the title bar, there is a header section with 'Data Analysis (123)', 'Time 00:00:06', and a search icon. The main content is a table with columns for 'Sensor Name', 'Value', 'Unit', and 'Link Up'. The table lists 18 sensors with their respective values and units. Each row has a checkbox on the left and a 'Link Up' icon on the right.

<input type="checkbox"/>	Sensor Name	Value	Unit	Link Up
<input type="checkbox"/>	Engine Speed	776	RPM	
<input type="checkbox"/>	MIL Status Indicator(MIL by DTC)	OFF	-	
<input type="checkbox"/>	Battery Voltage	14.0	V	
<input type="checkbox"/>	Engine Cooling Fan-Low	OFF	-	
<input type="checkbox"/>	Boost Pressure Sensor	1016	hPa	
<input type="checkbox"/>	Air Mass Flow	35	kg/h	
<input type="checkbox"/>	Accelerator Pedal Position Sensor	0	%	
<input type="checkbox"/>	Fuel Pressure	266667	hPa	
<input type="checkbox"/>	Air Mass Meter	398	mg/st	
<input type="checkbox"/>	EGR Actuator Control Duty	5	%	
<input type="checkbox"/>	Barometric Pressure Sensor	1002	hPa	
<input type="checkbox"/>	Intake Air Temperature	36	°C	
<input type="checkbox"/>	Water Temperature	77	°C	
<input type="checkbox"/>	Clutch Switch (M/T only)	OFF	-	
<input type="checkbox"/>	A/C ON Signal Switch	OFF	-	
<input type="checkbox"/>	Gearbox Neutral Position Status Signal	ON	-	
<input type="checkbox"/>	Brake Switch 2	OFF	-	
<input type="checkbox"/>	Brake Switch 1	OFF	-	

Bar Graph Mode

This indicates the sensor data in bar graph format.

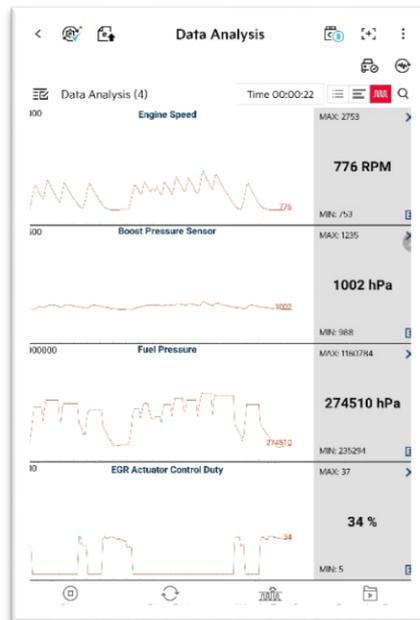


The screenshot shows the 'Data Analysis' interface in bar graph mode. The title bar and header section are identical to the text mode screenshot. The main content is a table with columns for 'Sensor Name', 'Value', 'Unit', and 'Link Up'. The table lists 18 sensors with their respective values and units. Each row has a checkbox on the left and a 'Link Up' icon on the right. The sensor names are highlighted in light blue.

<input type="checkbox"/>	Sensor Name	Value	Unit	Link Up
<input type="checkbox"/>	Engine Speed	776	RPM	
<input type="checkbox"/>	MIL Status Indicator(MIL by DTC)	OFF	-	
<input type="checkbox"/>	Battery Voltage	14.0	V	
<input type="checkbox"/>	Engine Cooling Fan-Low	OFF	-	
<input type="checkbox"/>	Boost Pressure Sensor	1016	hPa	
<input type="checkbox"/>	Air Mass Flow	35	kg/h	
<input type="checkbox"/>	Accelerator Pedal Position Sensor	0	%	
<input type="checkbox"/>	Fuel Pressure	266667	hPa	
<input type="checkbox"/>	Air Mass Meter	385	mg/st	
<input type="checkbox"/>	EGR Actuator Control Duty	5	%	
<input type="checkbox"/>	Barometric Pressure Sensor	1002	hPa	
<input type="checkbox"/>	Intake Air Temperature	36	°C	
<input type="checkbox"/>	Water Temperature	77	°C	
<input type="checkbox"/>	Clutch Switch (M/T only)	OFF	-	
<input type="checkbox"/>	A/C ON Signal Switch	OFF	-	
<input type="checkbox"/>	Gearbox Neutral Position Status Signal	ON	-	
<input type="checkbox"/>	Brake Switch 2	OFF	-	
<input type="checkbox"/>	Brake Switch 1	OFF	-	

Graph Mode

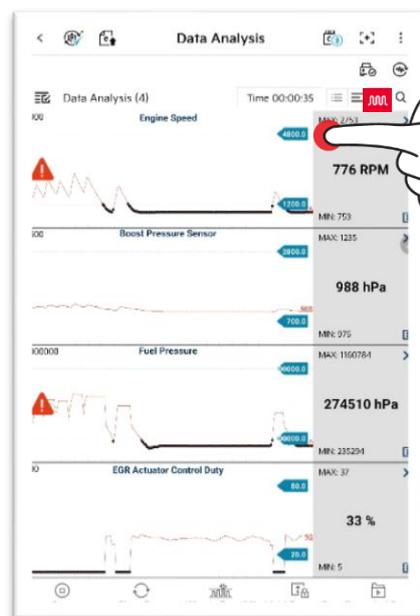
This indicates selected sensor data in graph format.



Graph Mode - Function Buttons

Wiggle Test On / Off

When Wiggle Test function is switched ON, the user can configure a desired data maximum/minimum value, and receive a notification if the sensor value exceeds or falls below the standard value.

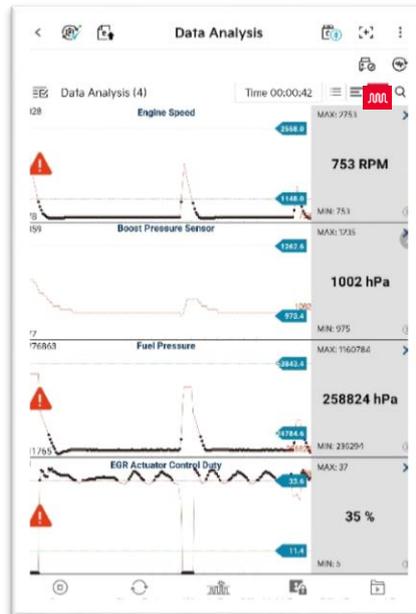


Configure the value by dragging the cursor.

 If it is set as muted or low volume, the alarm sound may not be heard.

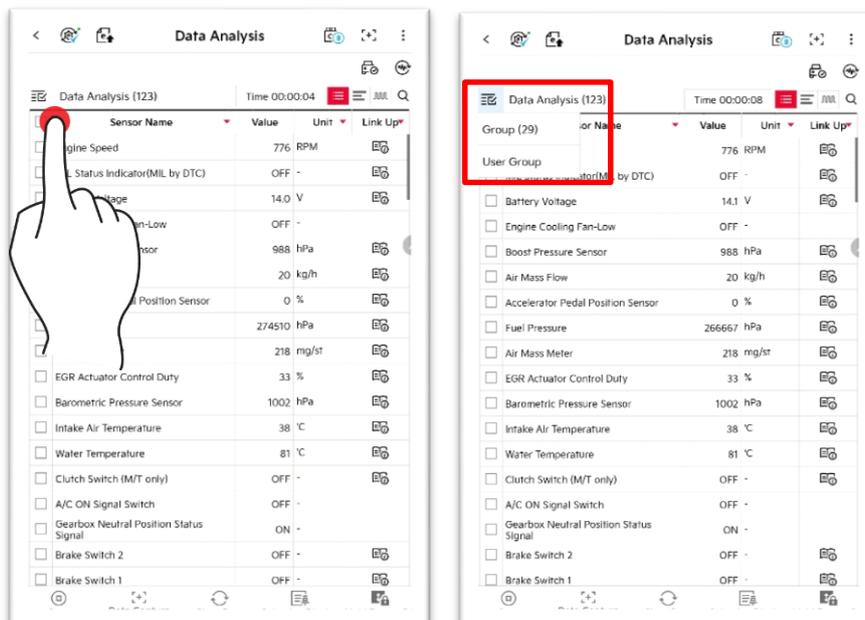
Wiggle Test On - Hole Range On

If Hold Range is switched ON, it only shows the sensor values that exceed or fall below the standard value.



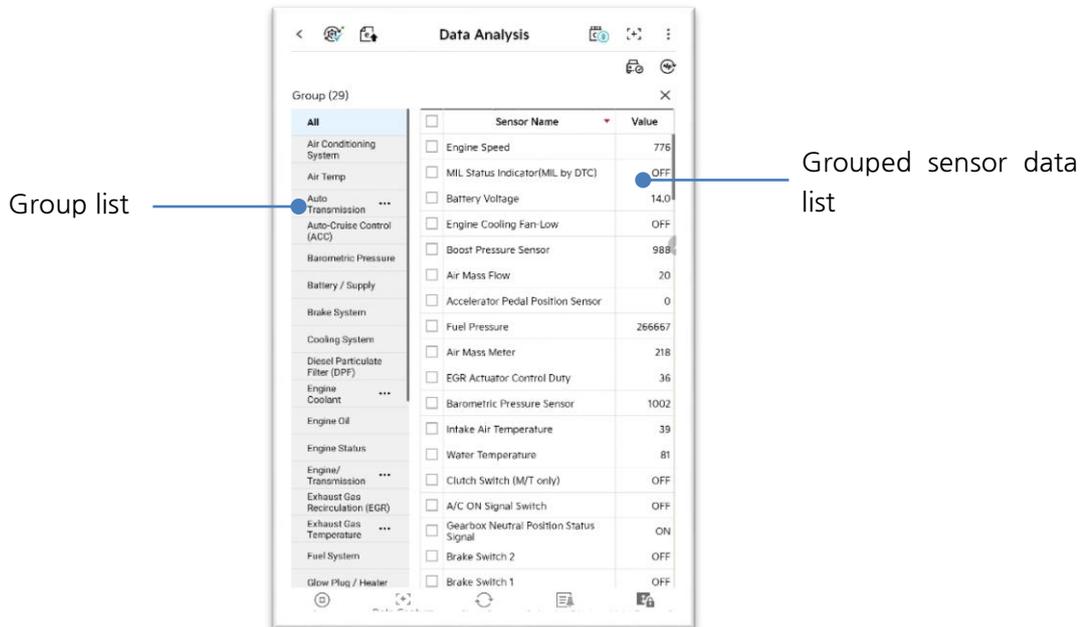
Group/User Group

Through  button on the top-left corner, the user can use Group/User Group function.



Group

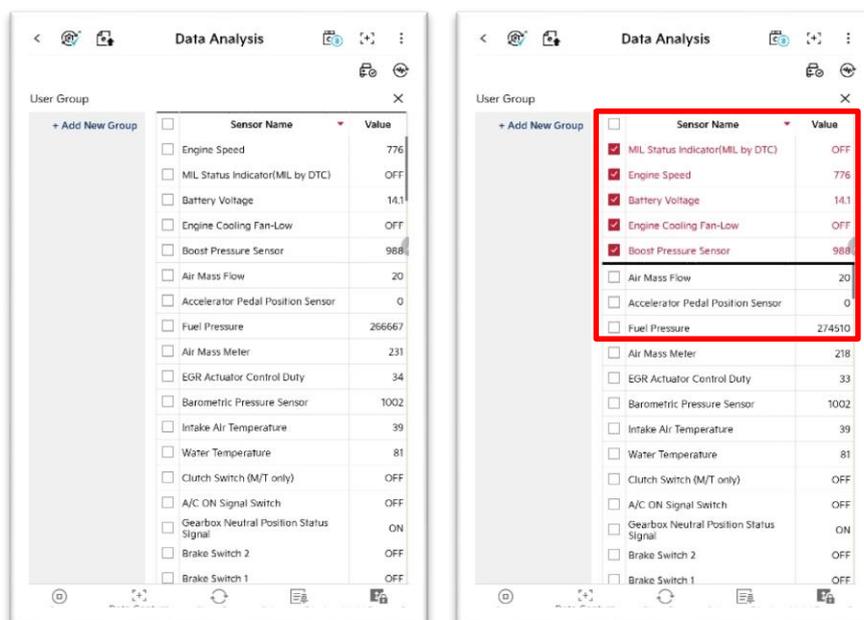
It forms a group of sensor data items to express only relevant data.



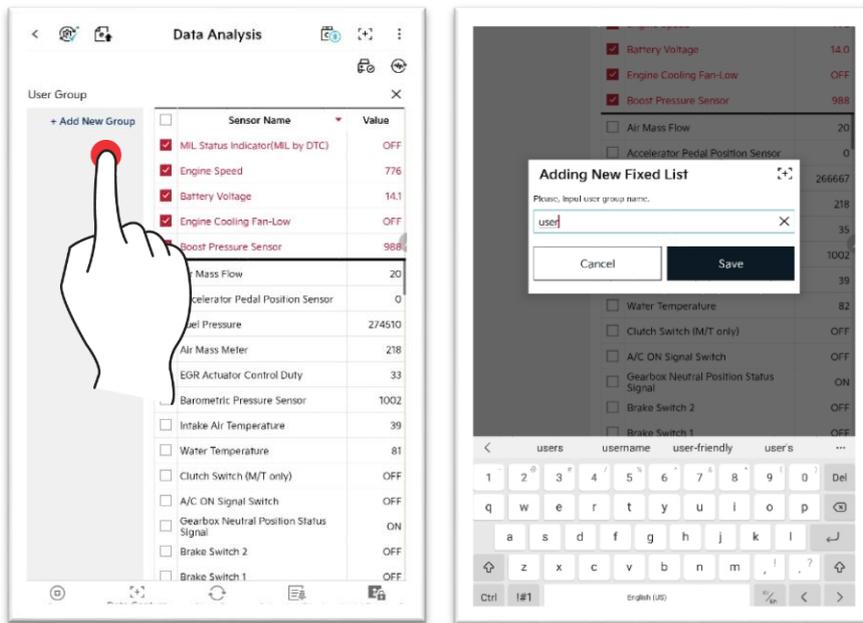
User Group

The user can form or edit groups of desired sensor data items.

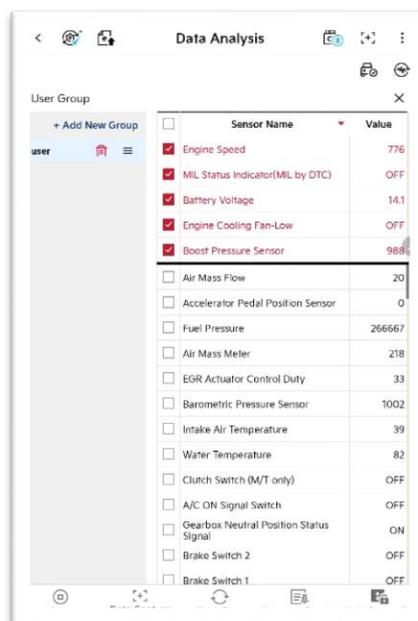
1. In User Group screen, select the sensor data items to be grouped.



2. Once selection of items is made, form a group through 'Add a New Group'.



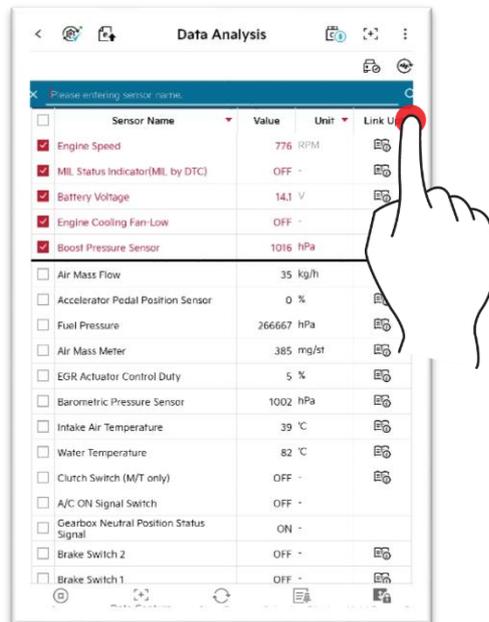
3. The group formation is completed.



		You can delete the formed group.
		You can change the group order.

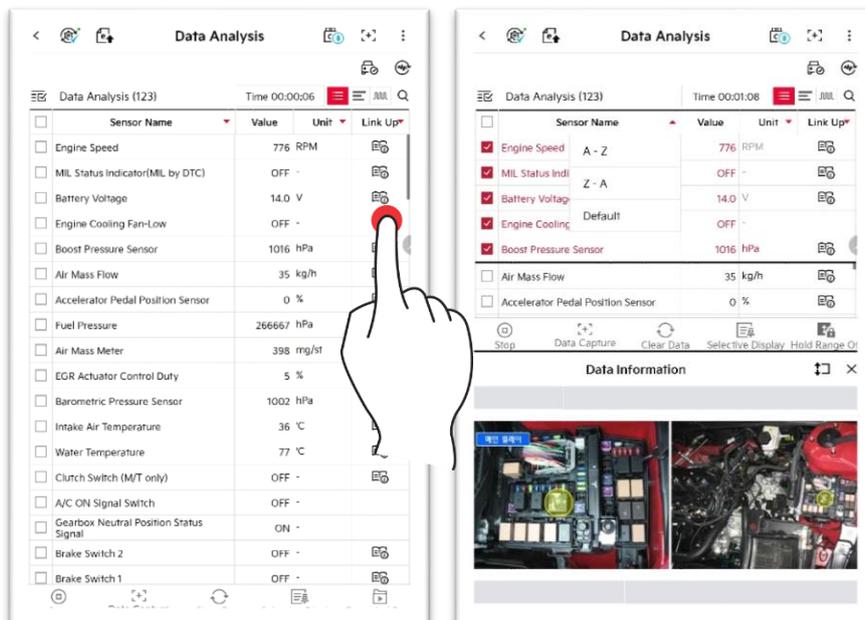
Search

You can search the sensor data by entering a search word and touching .



Link-up

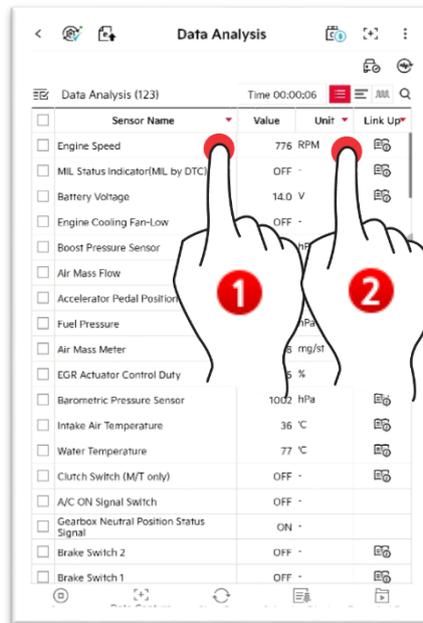
You can check the sensor information of the selected items by touching .



Arrangement and Unit Change

You can arrange the items by touching the sensor name, and change the unit by touching unit.

Touch  located at the bottom right corner of each title.

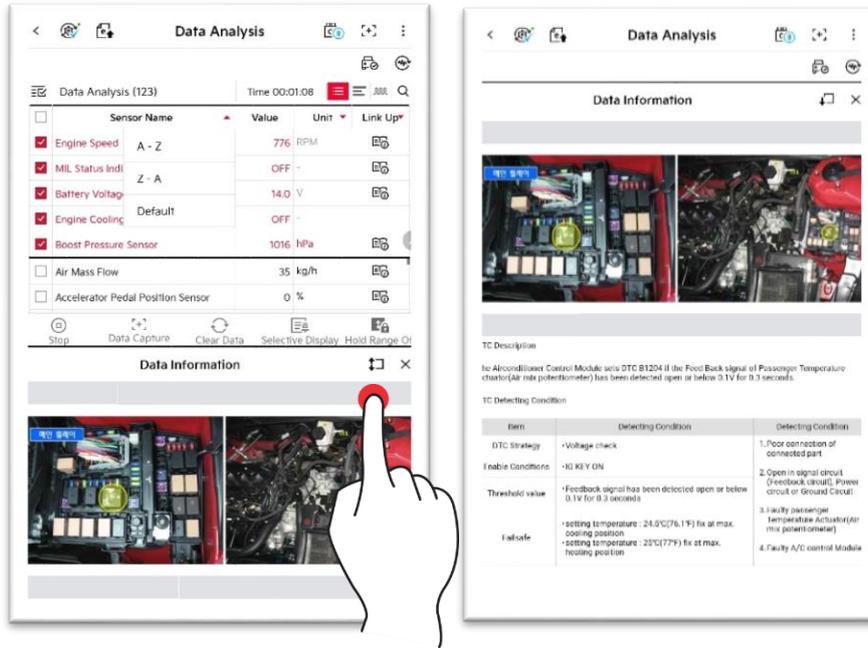


Bottom Function Buttons

 Stop	This function collects sensor data values over a certain period of time, and stops the sensor data values. 'Start' and 'Stop' buttons operate in turn.
 Data Capture	This captures the sensor data screen.
 Clear Data	This initializes the collected sensor data values, and recollects them.
 Selective Display	This only shows the sensor values of the sensor data items, which were selected based on needs. The entire sensor data values are shown when Fixed Output function is turned off.
 Recorded Data	This function analyzes the saved sensor data file. This is linked to Saved Data Analysis function.

Screen Control

1. You can spread or fold the screen by dragging  button upwards or downwards.



2. You can maximize/minimize the items in Graph Mode.

