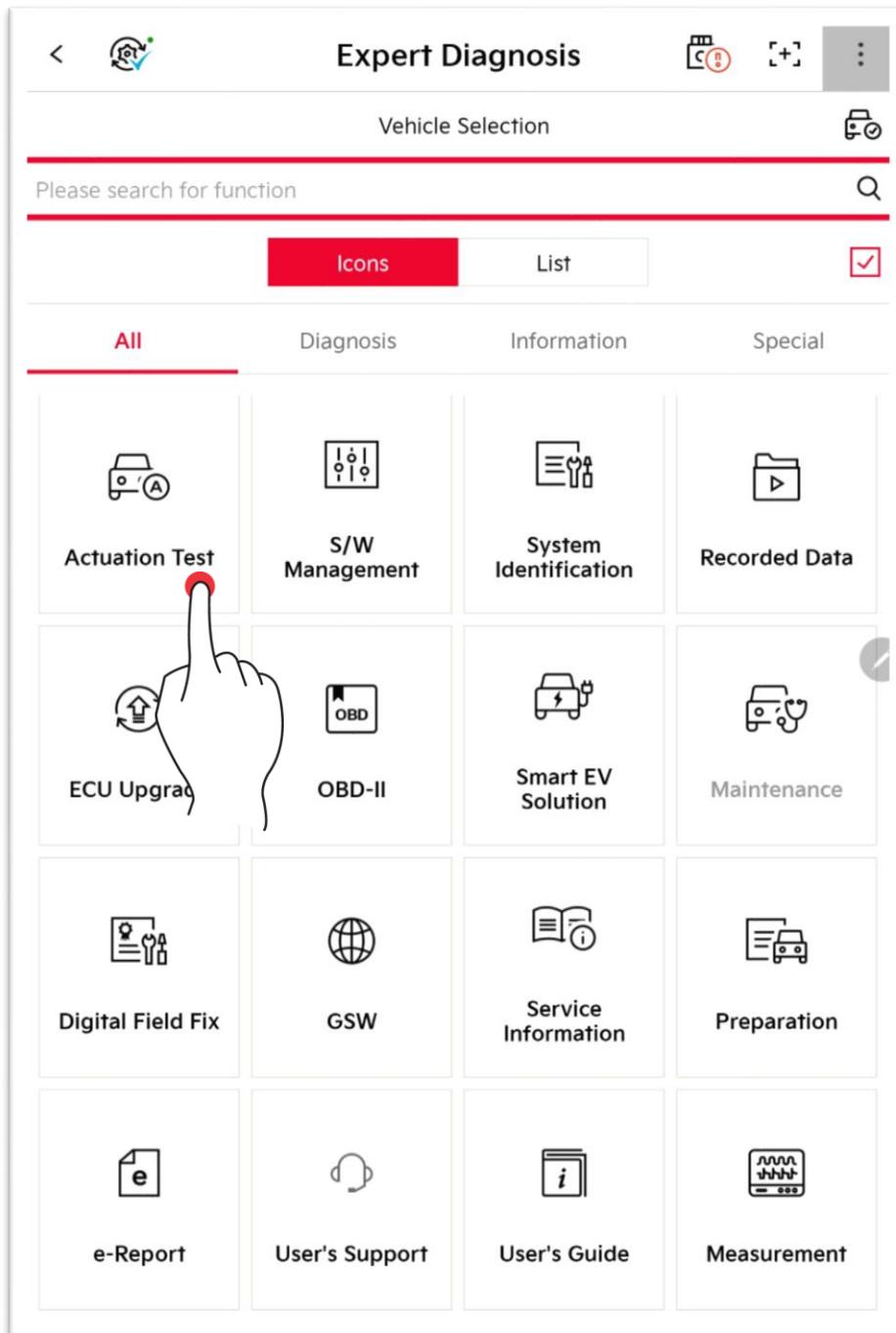


Expert Diagnosis - Actuation Test

This is a function of performing forced self-driving and stopping various actuators installed on vehicles through a control module, which can inspect the normal driving status of parts.



Actuation Test

It displays Actuation Test Item supported on the selected vehicle and operates the selected actuator manually.

The screenshot shows the 'Actuation Test' interface. At the top, there are navigation icons and a title bar. Below the title bar, there are icons for 'Data Analysis (123)' and 'Time 00:00:06'. A red box highlights a table of sensors with columns for 'Sensor Name', 'Value', 'Unit', and 'Link Up'. Below this, there are buttons for 'Stop', 'Data Capture', 'Clear Data', and 'Selective Display'. The main section is titled 'Actuation Test' and contains a table with columns for 'Test Items (24)', 'Condition', 'Duration', and 'Result'. A hand icon with a red circle and the number '1' points to the 'PTC Heater' row. Below the table is a 'Start' button, which is also pointed to by a hand icon with a red circle and the number '2'.

Sensor Name	Value	Unit	Link Up
Engine Speed	776	RPM	
MIL Status Indicator(MIL by DTC)	OFF	-	
Battery Voltage	14.0	V	
Engine Cooling Fan-Low	OFF	-	
Boost Pressure Sensor	1016	hPa	
Air Mass Flow	35	kg/h	
Accelerator Pedal Position Sensor	0	%	

Test Items (24)	Condition	Duration	Result
A/C Compressor Relay (M/T Only)	IG. ON/ ENG.OFF	Until Stop Button	
MIL Lamp	IG. ON/ ENG.OFF	Until Stop Button	
PTC Heater	IG. ON/ ENG.OFF	Until Stop Button	
Fan Motor Control-High Speed	IG. ON/ ENG.OFF	Until Stop Button	
Cruise Control Main	IG. ON/ ENG.OFF	Until Stop Button	
Cruise Control SET Lamp/Connected	IG. ON/ ENG.OFF	Until Stop Button	

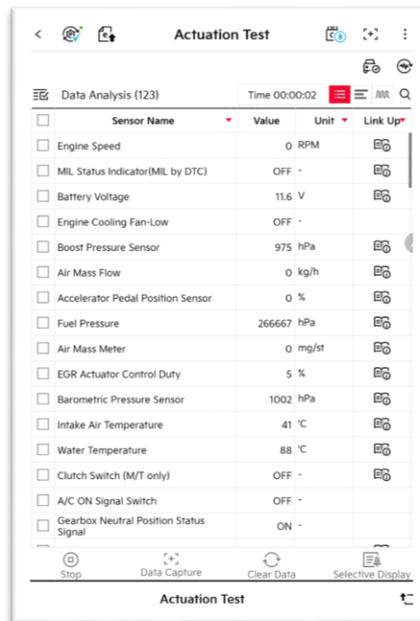
Start

Data Analysis Mode

It displays the input/output value of sensor data when the user performs Actuation Test

Text Mode

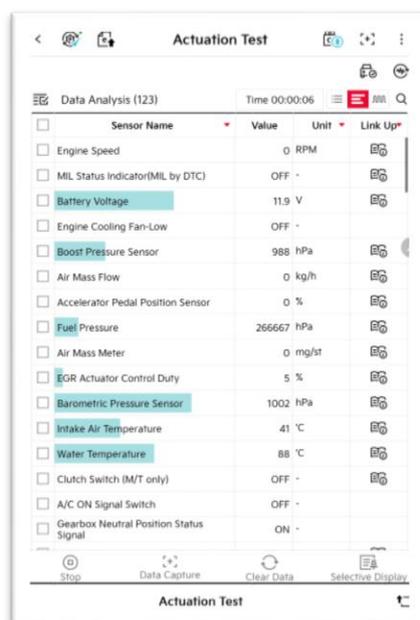
This indicates the sensor data as text format.



<input type="checkbox"/>	Sensor Name	Value	Unit	Link Up
<input type="checkbox"/>	Engine Speed	0	RPM	
<input type="checkbox"/>	MIL Status Indicator(MIL by DTC)	OFF	-	
<input type="checkbox"/>	Battery Voltage	11.6	V	
<input type="checkbox"/>	Engine Cooling Fan-Low	OFF	-	
<input type="checkbox"/>	Boost Pressure Sensor	975	hPa	
<input type="checkbox"/>	Air Mass Flow	0	kg/h	
<input type="checkbox"/>	Accelerator Pedal Position Sensor	0	%	
<input type="checkbox"/>	Fuel Pressure	266667	hPa	
<input type="checkbox"/>	Air Mass Meter	0	mg/st	
<input type="checkbox"/>	EGR Actuator Control Duty	5	%	
<input type="checkbox"/>	Barometric Pressure Sensor	1002	hPa	
<input type="checkbox"/>	Intake Air Temperature	41	°C	
<input type="checkbox"/>	Water Temperature	88	°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	-	

Bar Graph Mode

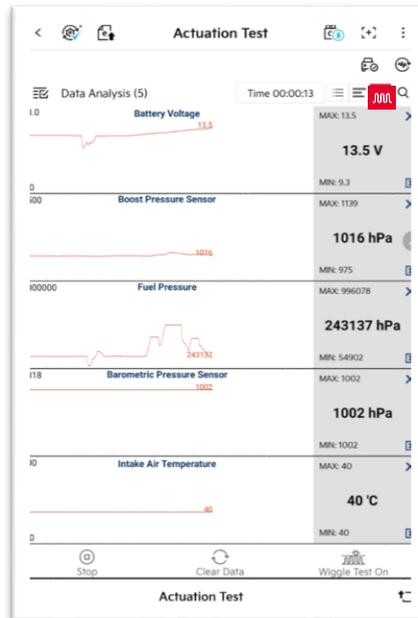
This indicates the sensor data as a bar graph format.



<input type="checkbox"/>	Sensor Name	Value	Unit	Link Up
<input type="checkbox"/>	Engine Speed	0	RPM	
<input type="checkbox"/>	MIL Status Indicator(MIL by DTC)	OFF	-	
<input type="checkbox"/>	Battery Voltage	11.9	V	
<input type="checkbox"/>	Engine Cooling Fan-Low	OFF	-	
<input type="checkbox"/>	Boost Pressure Sensor	988	hPa	
<input type="checkbox"/>	Air Mass Flow	0	kg/h	
<input type="checkbox"/>	Accelerator Pedal Position Sensor	0	%	
<input type="checkbox"/>	Fuel Pressure	266667	hPa	
<input type="checkbox"/>	Air Mass Meter	0	mg/st	
<input type="checkbox"/>	EGR Actuator Control Duty	5	%	
<input type="checkbox"/>	Barometric Pressure Sensor	1002	hPa	
<input type="checkbox"/>	Intake Air Temperature	41	°C	
<input type="checkbox"/>	Water Temperature	88	°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	-	

Graph Mode

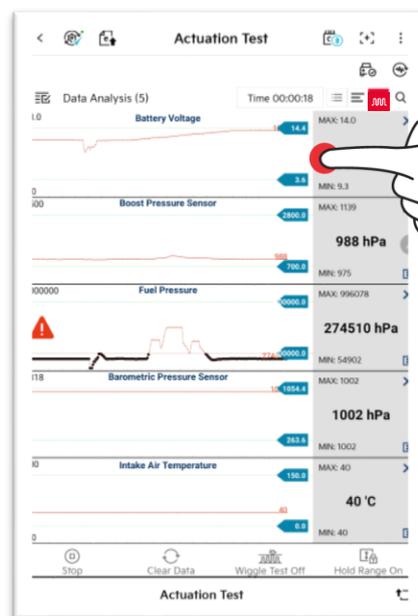
This indicates a selected sensor data as a graph format.



Graph Mode - Function Button

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.

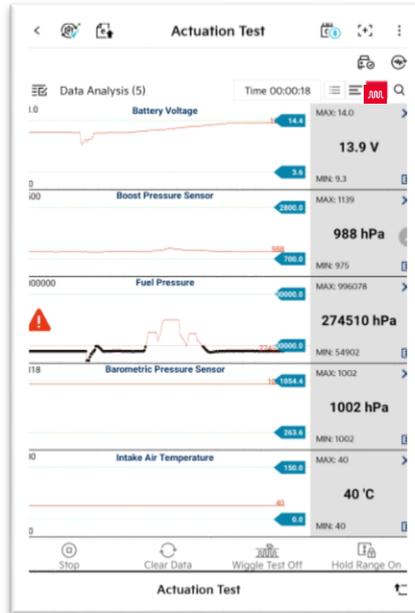


Configure the value by dragging the cursor.

 If you mute or volume is low, you may not hear an audible alarm.

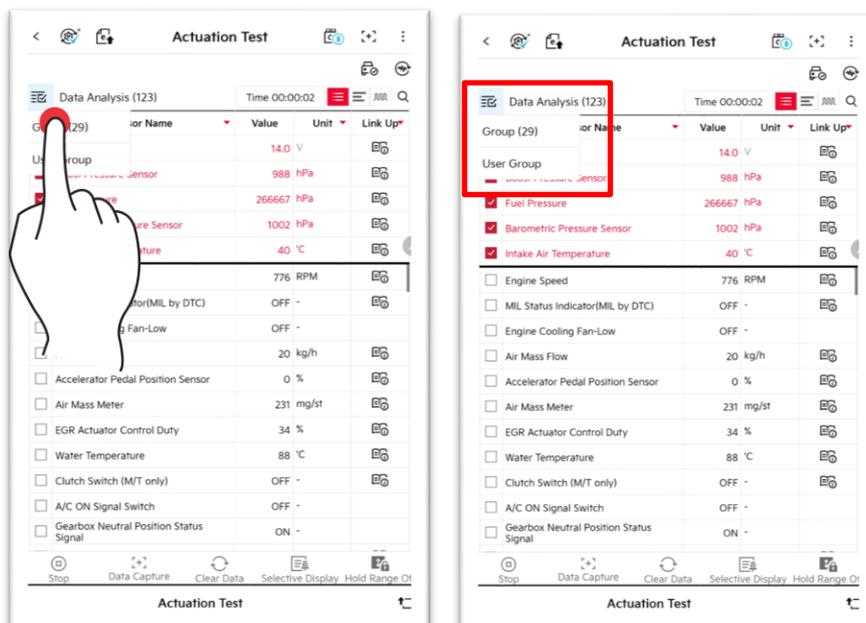
Wiggle Test On - Hole Range On

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



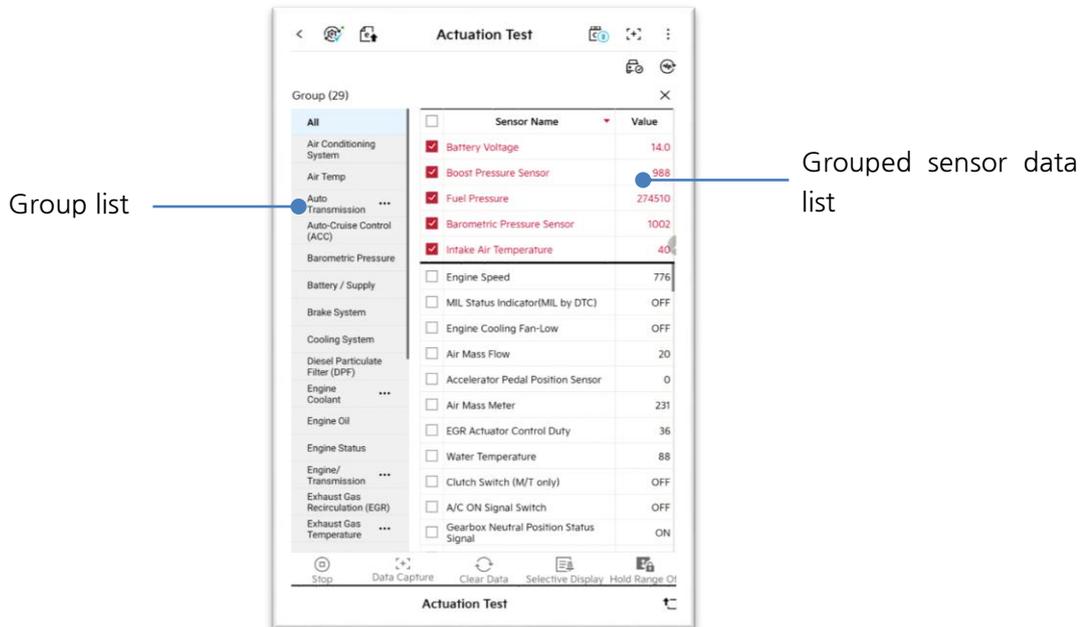
Group/User Group

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



Group

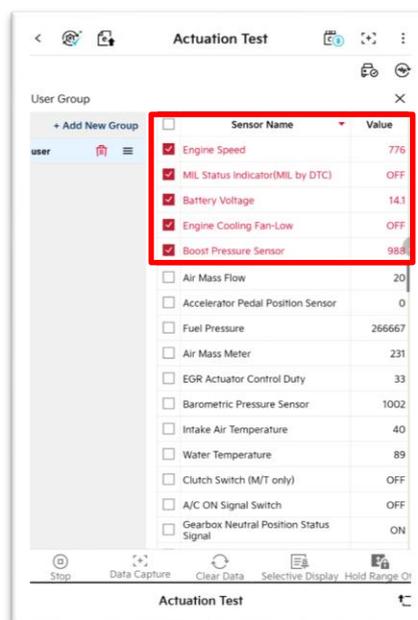
It forms a group of sensor data items to express only relevant data.



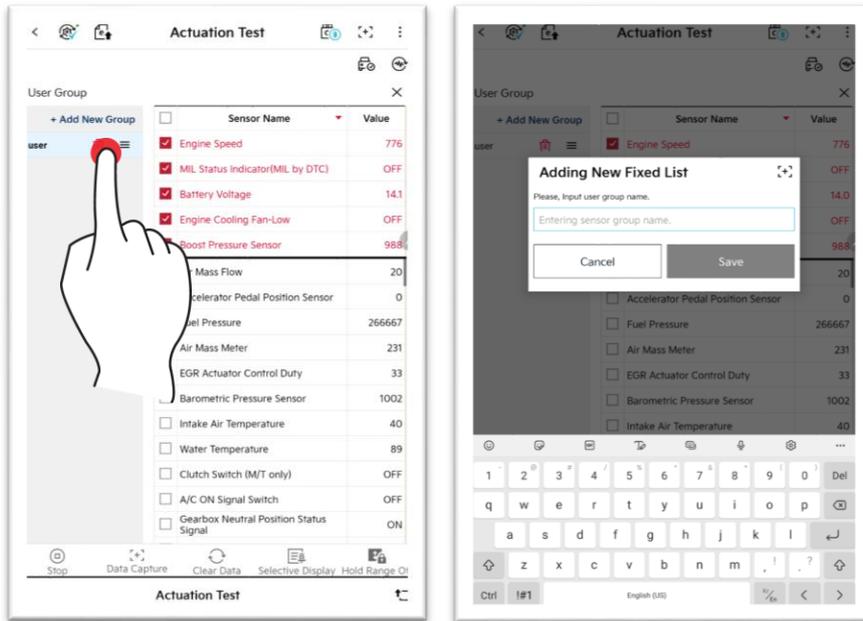
User Group

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

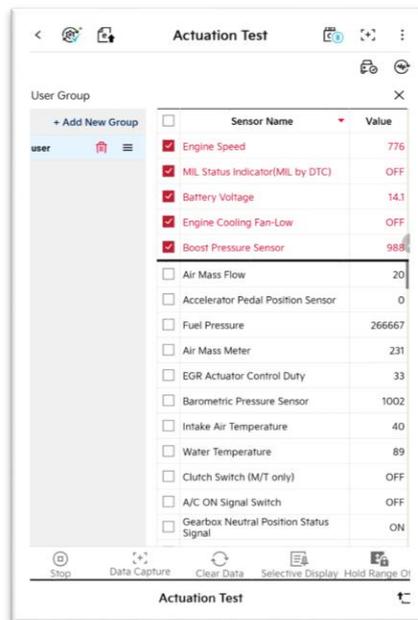
1. In User Group screen, select the sensor data items to be grouped.



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



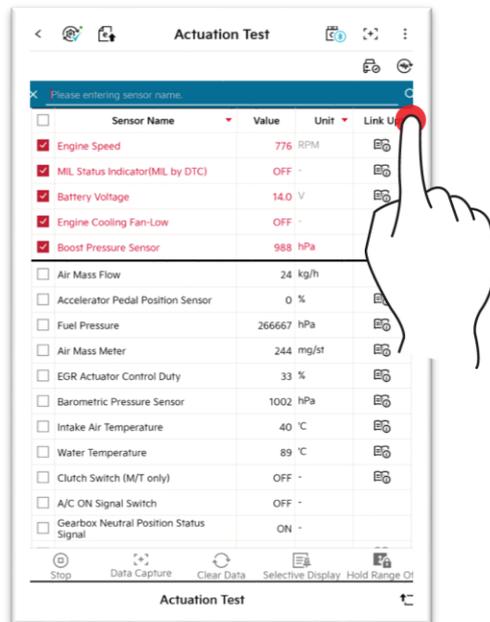
3. The group formation is completed.



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

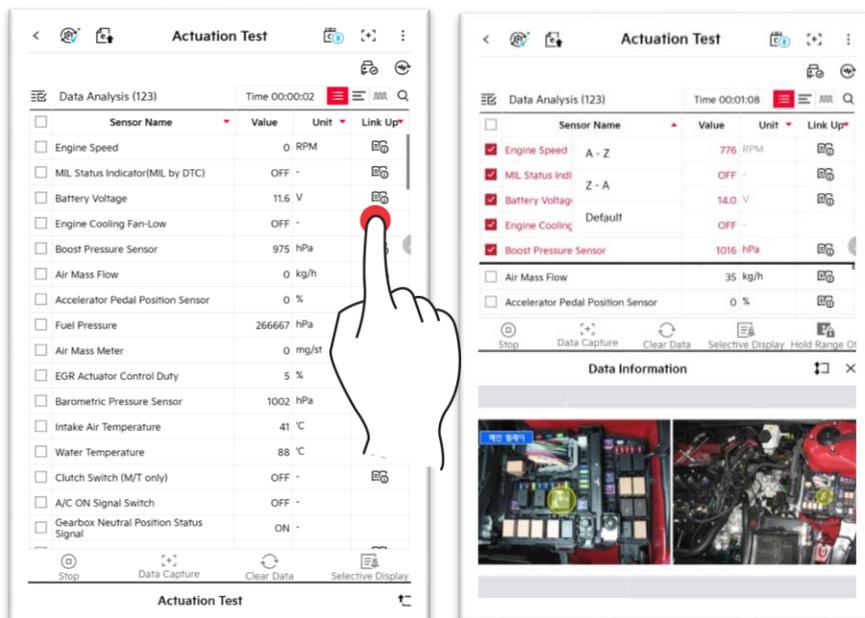
Search

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 .

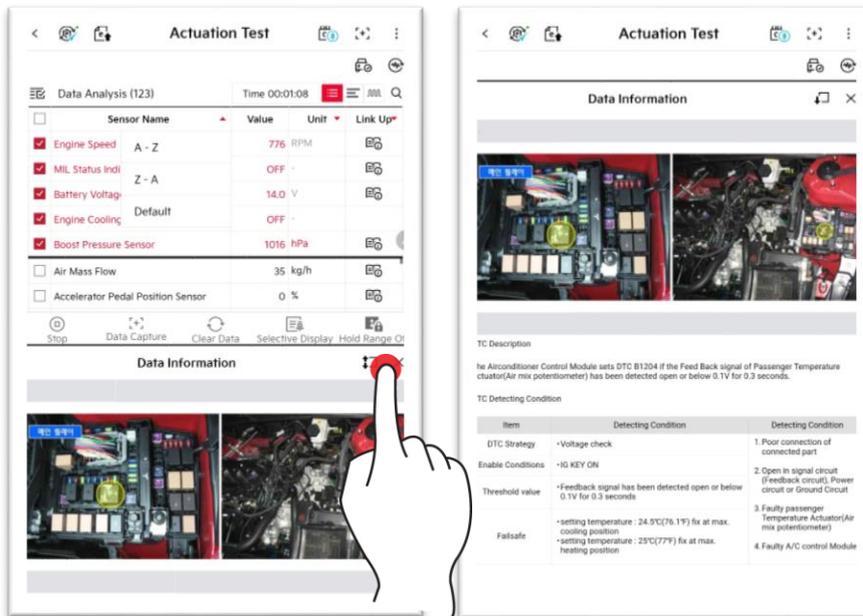


Bottom Function Buttons

 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.

