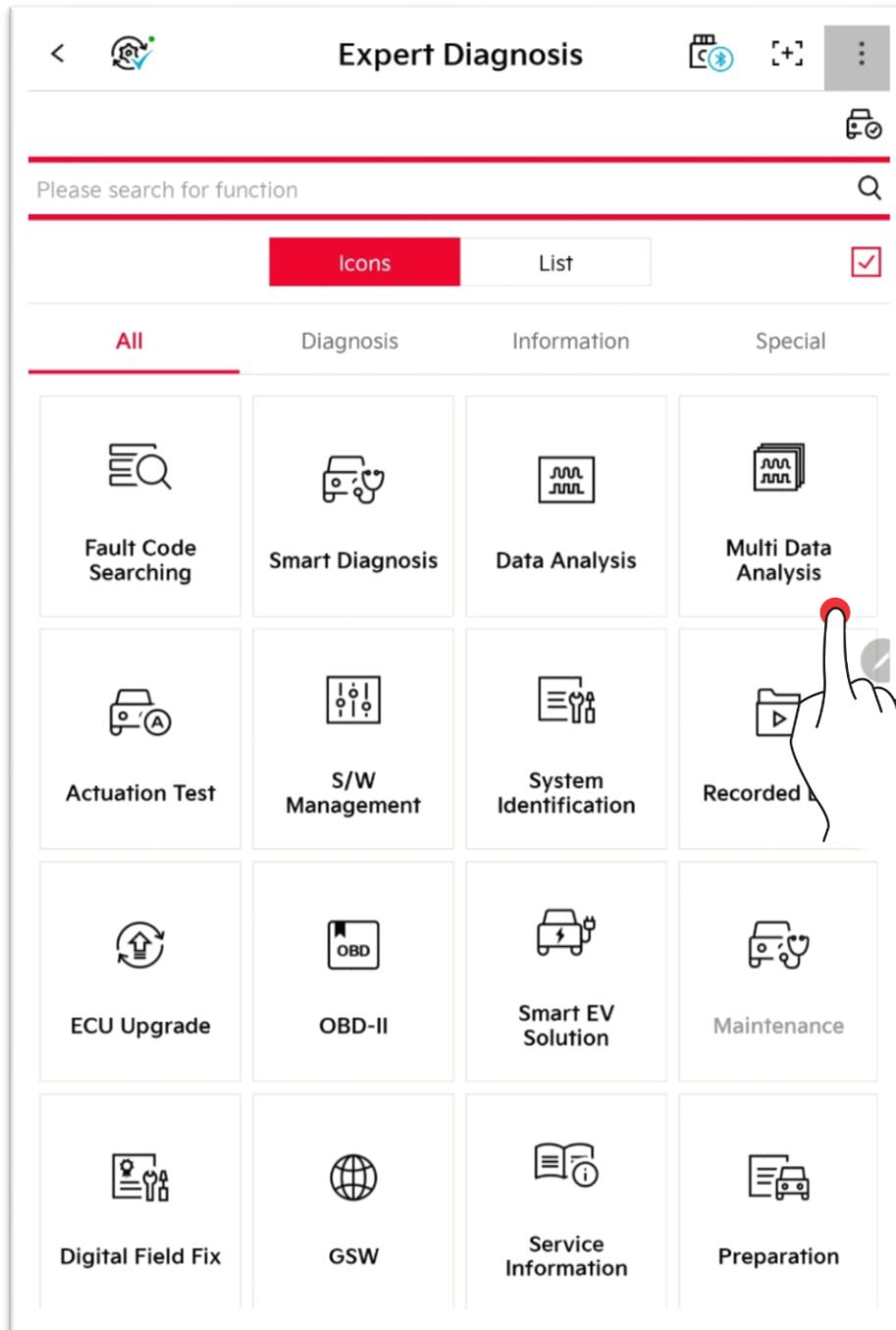


Expert Diagnosis - MultiData Analysis

This function is similar to Sensor Data Diagnosis, which supports the analysis of each sensor item of multiple controllers mounted on the vehicle on a single screen at the same time.

* It only supports modules that support CAN communication protocol.



Sensor Data Item Selection

Select a sensor data item to analyze.

Select items for each system to analyze.

The screenshot displays the 'Multi Data Analysis' application interface. At the top, there is a title bar with a back arrow, the text 'Multi Data Analysis', and icons for a list and zoom. Below this is a 'Setting Sensor Data' section. Under 'System', there are two cards: 'ENGINE Engine Control' (highlighted with a red box) and 'ESP Elec tron ...'. Below the system cards is an 'Item Selection' section with a search bar containing the text 'Please enter the search word.' and a list of sensor items: Engine Speed, MIL Status Indicator(MIL by DTC), Battery Voltage, Engine Cooling Fan-Low, Boost Pressure Sensor, Air Mass Flow, Accelerator Pedal Position Sensor, Fuel Pressure, Air Mass Meter, EGR Actuator Control Duty, Barometric Pressure Sensor, and Intake Air Temperature. To the right of the list is a 'Selected Item' table with columns for 'System' and 'Sensor'. At the bottom are 'Cancel' and 'OK' buttons. Annotations with blue lines point to various elements: 'Select the entire items' points to the 'ENGINE' card; 'Window for entering search word' points to the search bar; 'Cancel all items' points to a circular refresh icon in the 'Selected Item' header; and 'Spread/fold' points to a red vertical bar with a double arrow icon between the list and the table.

Select the entire items

Window for entering search word

Cancel all items

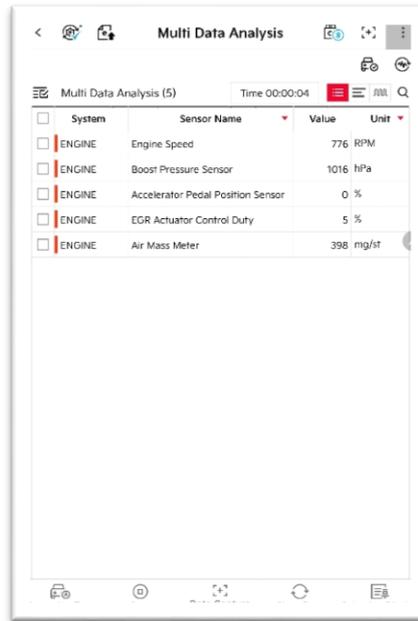
Spread/fold

Mode

This section describes the sensor data indicating mode.

Text Mode

It indicates sensor data in text format.



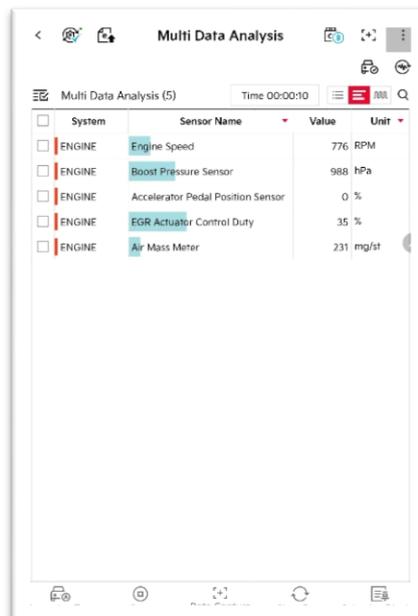
The screenshot shows the 'Multi Data Analysis' interface in Text Mode. The title bar includes a back arrow, a refresh icon, the text 'Multi Data Analysis', a zoom icon, and a menu icon. Below the title bar, there is a sub-header 'Multi Data Analysis (5)' and a timer 'Time 00:00:04'. A search icon is also present. The main content area displays a table with the following data:

<input type="checkbox"/>	System	Sensor Name	Value	Unit
<input type="checkbox"/>	ENGINE	Engine Speed	776	RPM
<input type="checkbox"/>	ENGINE	Boost Pressure Sensor	1016	hPa
<input type="checkbox"/>	ENGINE	Accelerator Pedal Position Sensor	0	%
<input type="checkbox"/>	ENGINE	EGR Actuator Control Duty	5	%
<input type="checkbox"/>	ENGINE	Air Mass Meter	398	mg/st

The bottom of the screen features a navigation bar with icons for home, back, refresh, and print.

Bar Graph Mode

It indicates sensor data in bar graph format.



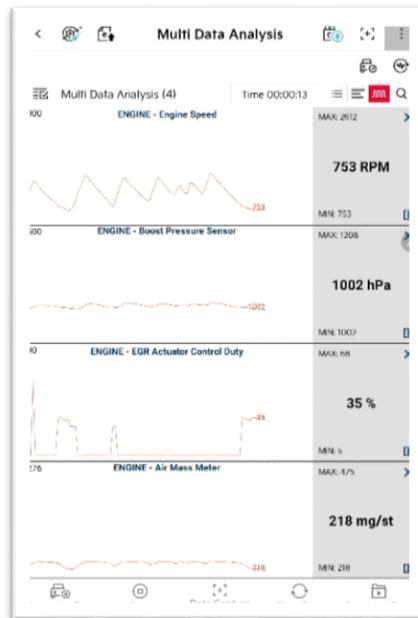
The screenshot shows the 'Multi Data Analysis' interface in Bar Graph Mode. The title bar and sub-header are identical to the previous screenshot. The main content area displays a table with the following data:

<input type="checkbox"/>	System	Sensor Name	Value	Unit
<input type="checkbox"/>	ENGINE	Engine Speed	776	RPM
<input type="checkbox"/>	ENGINE	Boost Pressure Sensor	988	hPa
<input type="checkbox"/>	ENGINE	Accelerator Pedal Position Sensor	0	%
<input type="checkbox"/>	ENGINE	EGR Actuator Control Duty	35	%
<input type="checkbox"/>	ENGINE	Air Mass Meter	231	mg/st

The bottom of the screen features a navigation bar with icons for home, back, refresh, and print.

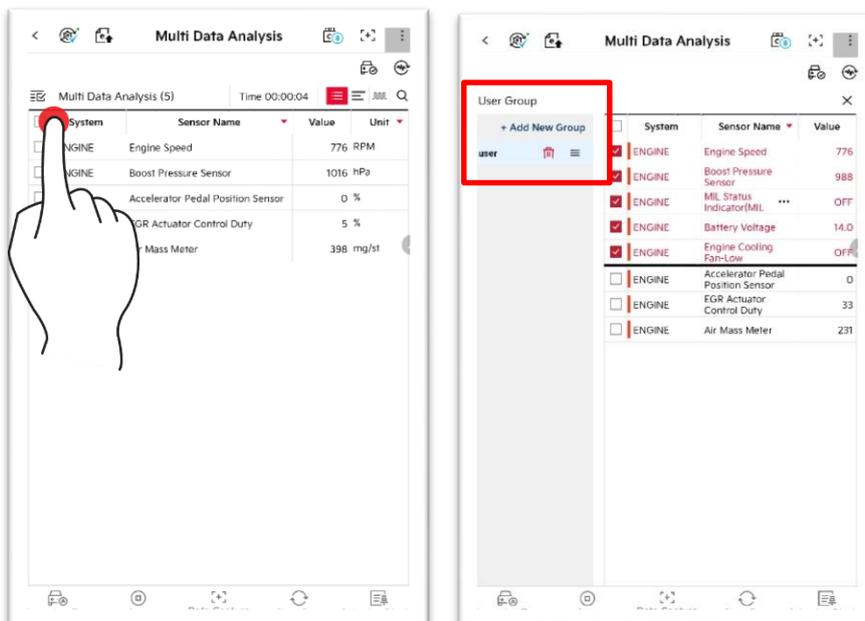
Graph Mode

It indicates the selected sensor data in graph format.

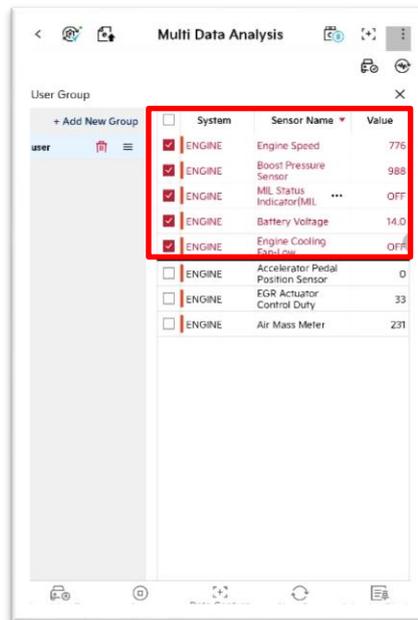


User Group

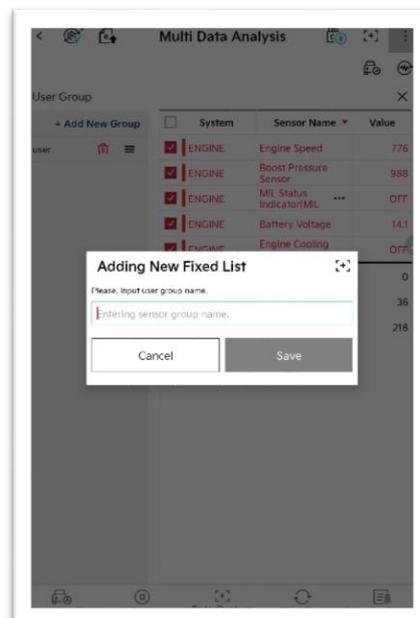
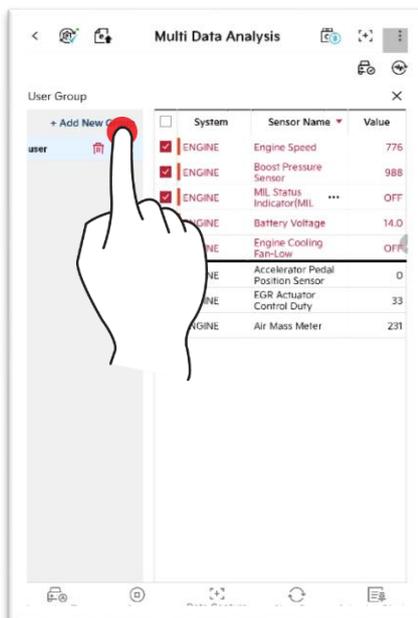
You can use the User Group function via  button on top left corner of screen.



1. After entering User Group function, select sensor data items to be grouped.



2. Once item selection is completed, create a group via 'Add a New Group'.



3. Group creation is completed.



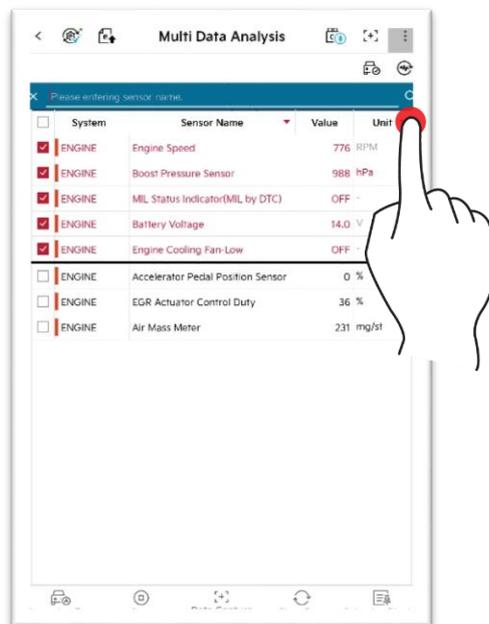
You can delete a created group.



You can change the group order.

Search

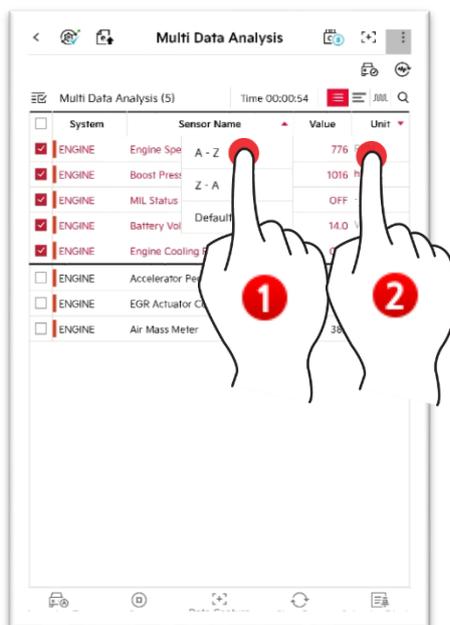
After entering a search word, touch , and you can search sensor data.



Arrangement, Unit Change

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

Touch  at top right corner of each title.

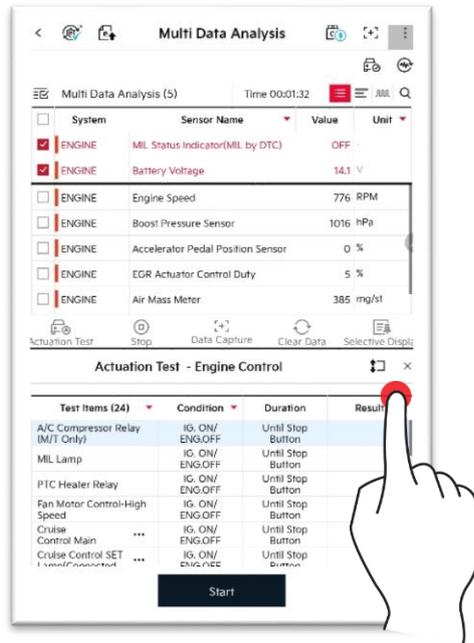


Bottom Function Buttons

 <p>Selective Display</p>	<p>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.</p>
 <p>Actuation Test</p>	<p>You can check change in sensor data by forcefully driving the actuator through Control Module. Select a system to perform forced driving.</p>
 <p>Clear Data</p>	<p>This initializes the collected sensor data values, and recollects them.</p>
 <p>Stop</p>	<p>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.</p>
 <p>Recorded Data</p>	<p>This function analyzes the saved sensor data file. This is linked to Saved Data Analysis function.</p>

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.

