

Type4 Checker

Software instructions

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1. Outline

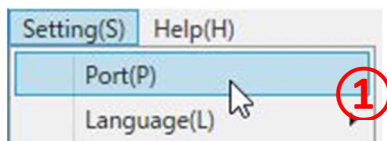
This application supports below types of diagnosis.

- Type4 checker(D3)

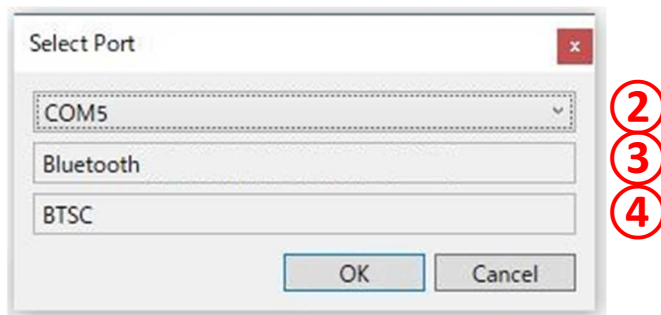
2. About connection to checker

- USB is used for connection with checker.

3. Setup COM port



- ① Click "Setting-Port"



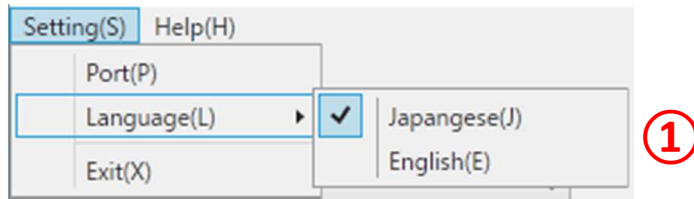
- ② Select COM port and press OK button.

- ③ COM port detail is displayed.

- ④ In case of Bluetooth COM port, module name is displayed.

*Module name might not be displayed based on OS version or Bluetooth module model.

4. Change language

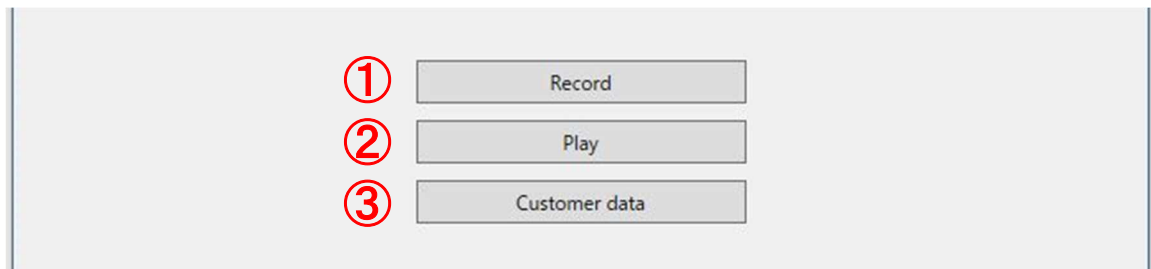


- ① Click “Setting-Language” and select language.

*New setting will be effective after restart of software.

5. Service Checker Type4 instructions

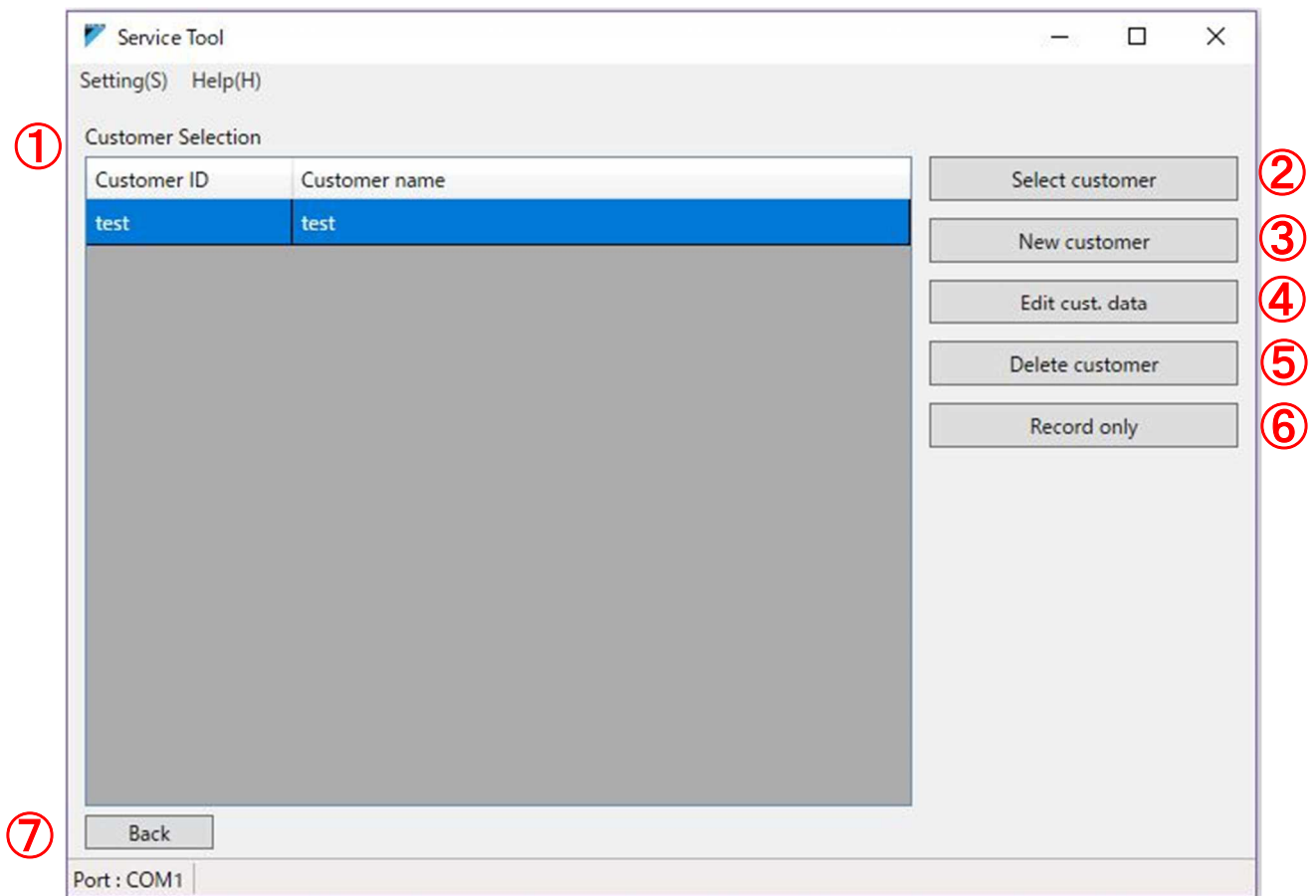
5.1 Function selection



- ① Record:
Records operation data and shows real time data
- ② Play:
Shows data recorded by “Periodic recording”
- ③ Customer data:
Manages information of customer
 - Please refer to “5.2.1 Customer selection” and “5.2.2 Network map selection” for how to use

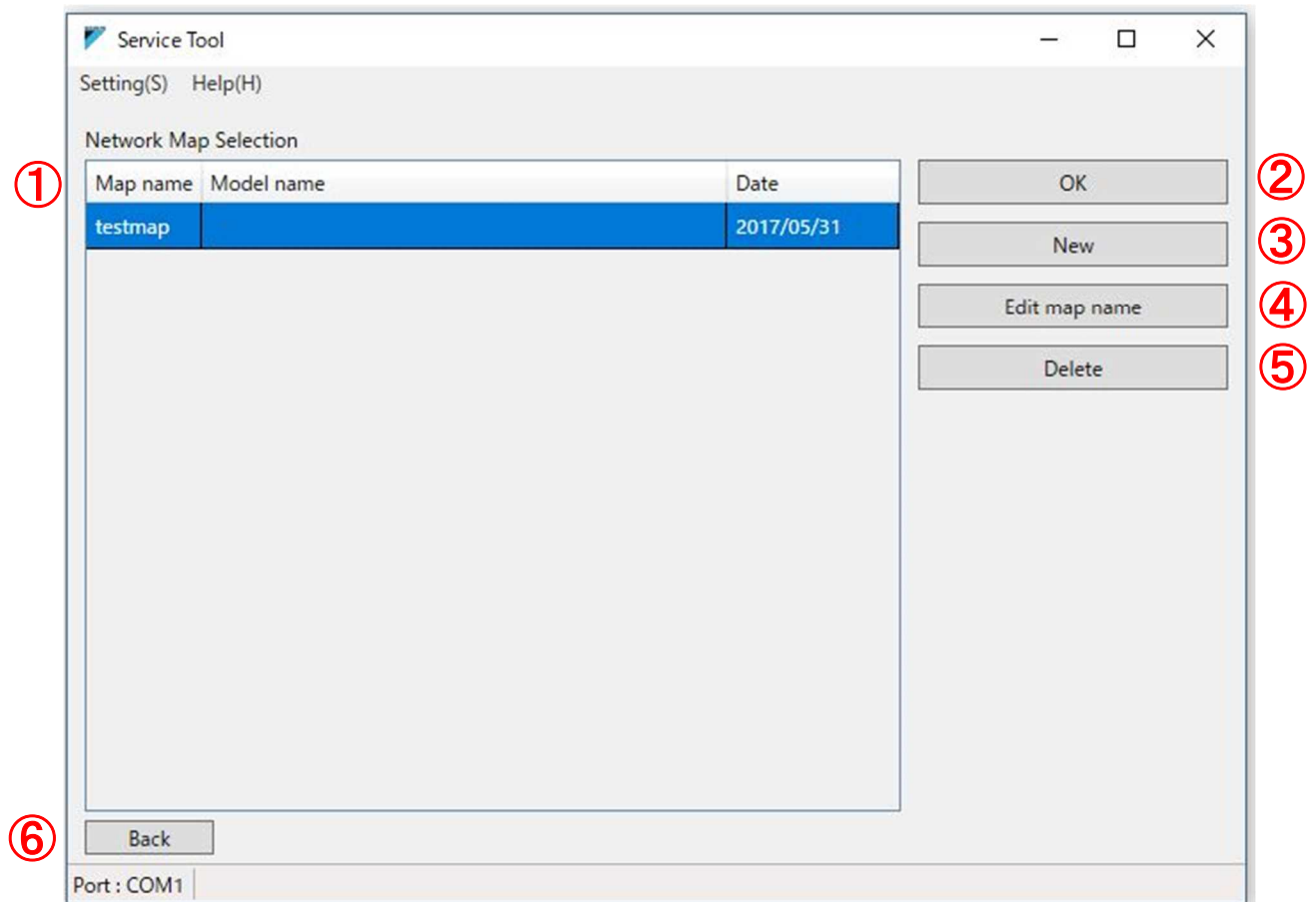
5.2 Record function

5.2.1 Customer selection



- ① Select customer
- ② Confirm customer selection and move to Network map selection screen
- ③ Add a new customer
- ④ Edit customer information
- ⑤ Delete customer
- ⑥ Move to Network map screen without selecting customer
- ⑦ Move back to previous screen

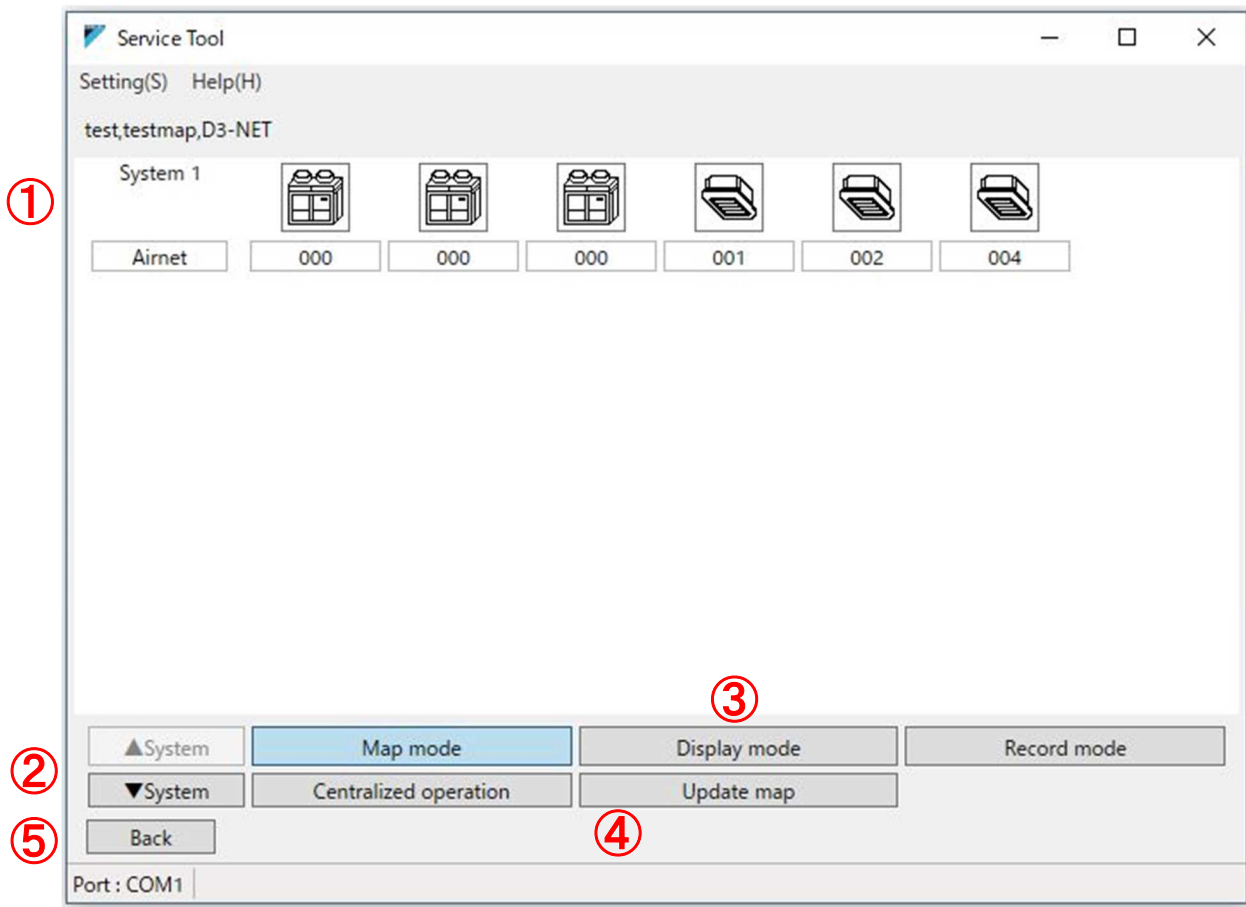
5.2.2 Network map selection



- ① Select the map
- ② Confirm the map to display and move to Network map screen
- ③ Make a new map with D3-net communication
- ④ Edit map name
- ⑤ Delete map
- ⑥ Move back to previous screen
















5.2.3 Network map

DIII-NET status is displayed.



- ① Units are shown in icon style.
(see Instructions of icons for details)
- ② Switch (move) between systems.
- ③ Change function mode.
- ④ Based on the function mode selected by ③, available functions (buttons) will differ.
(see Mode/function matrix for details)
- ⑤ Go back to previous screen.

5.2.4 Instructions of icons

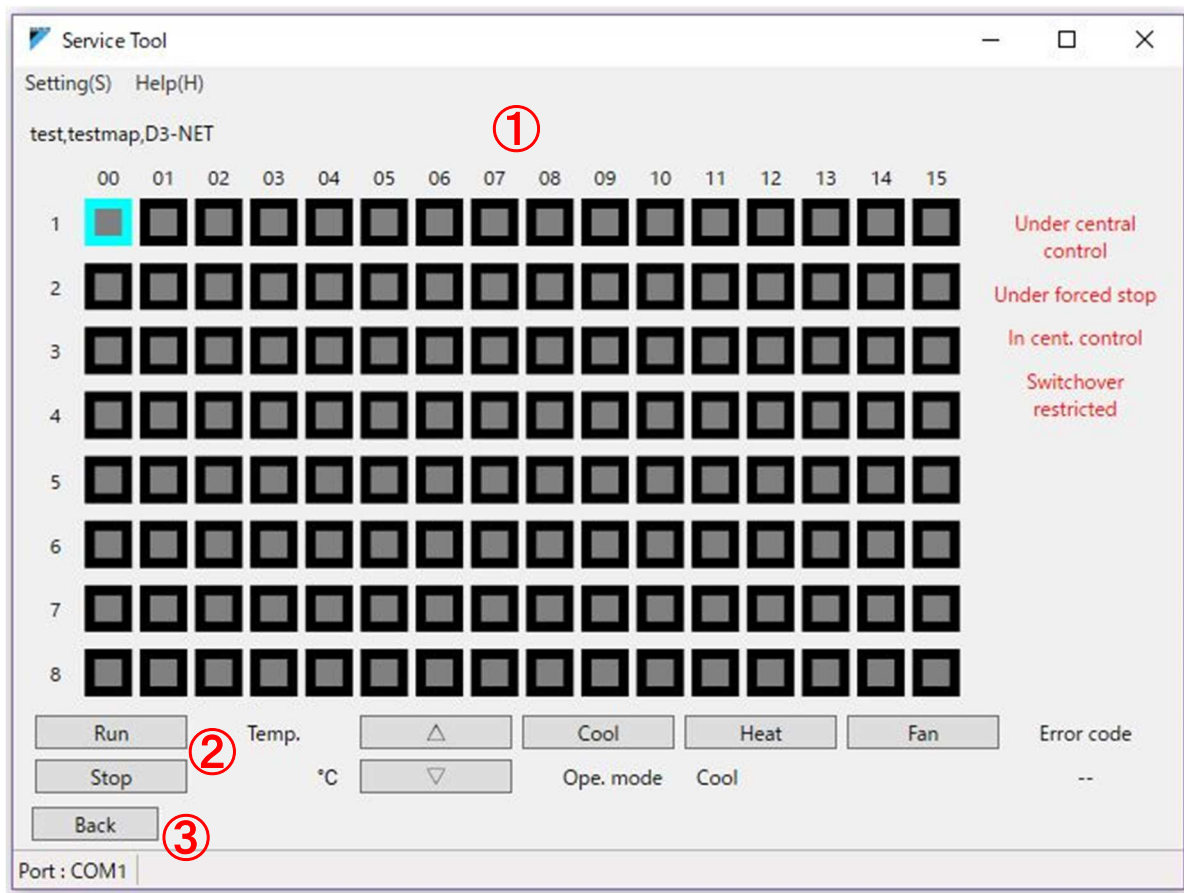
	Outdoor unit	Indoor unit	Chiller
Unknown model			
Stop			
Running			
Error			
Comm. Error			

5.2.5 Mode/function matrix

Mode	Button	Details
Map mode	Centralized operation	Move to Centralized operation screen
	Update map	Update units on network map
Display mode	Disp. op data	Move to Operation data display screen
	Disp. Q'ty	Move to Number of units
Record mode	Period. rec set	Move to Period. rec set
	Period. rec start	Start recording operation data. (data stored to smartphone/tablet)
	SD rec start	Start recording operation data. (data stored to checker SD card, recording continues after disconnection with the smartphone/tablet)

5.2.6 Centralized operation screen

Executes centralized control of connected units.



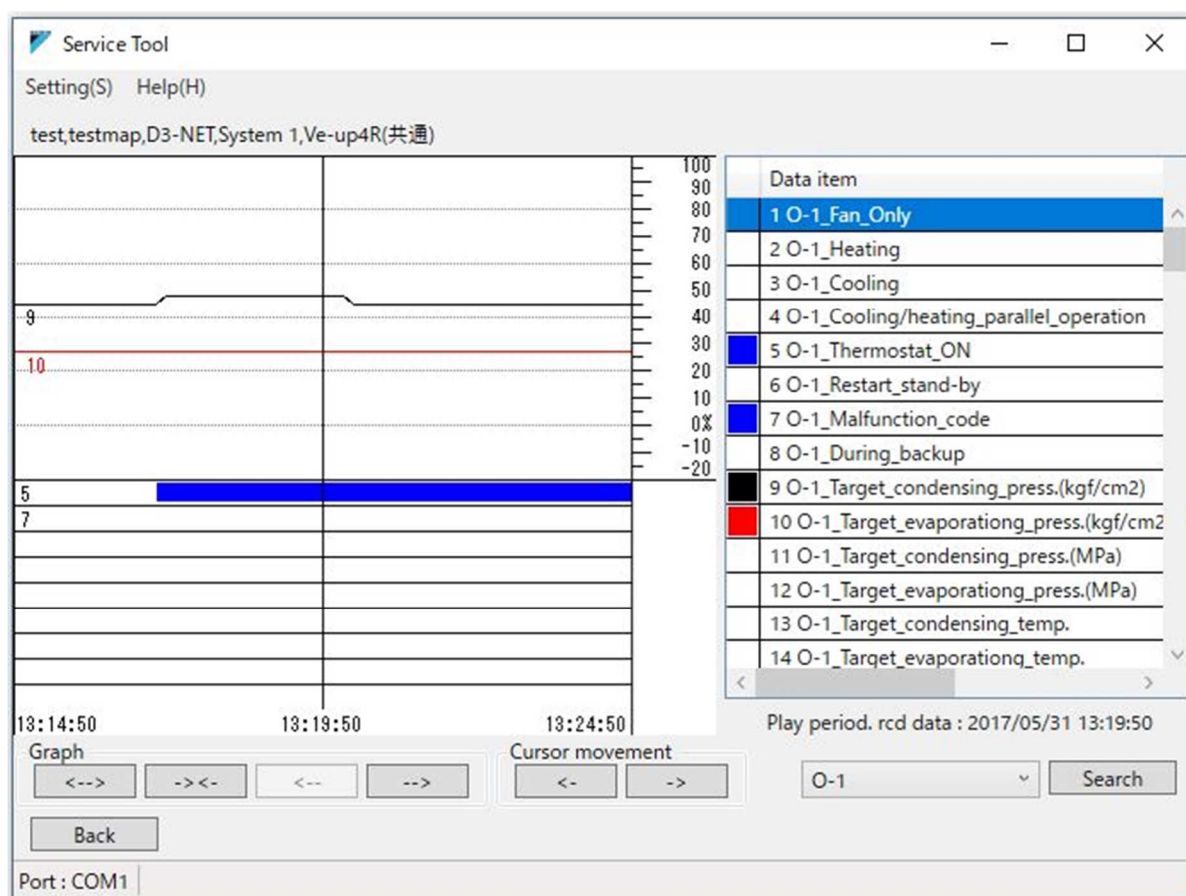
- ① Select desired indoor unit.
- ② Shows status of selected unit (on/off, mode, setpoint) and change settings
- ③ Go back to previous screen.

5.2.7 Operation data display screen

Shows current operation data.

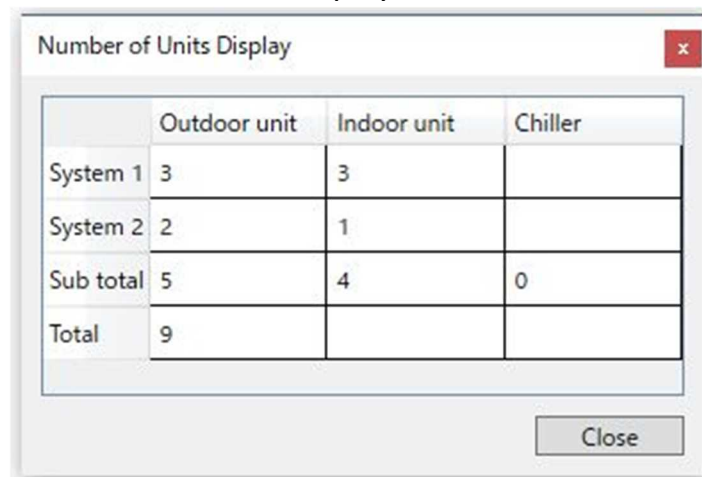
(only possible to show data while connected)

See "Play" function>Operation data display screen for details



5.2.8 Number of Units Display screen

Number of connected units is displayed.

A screenshot of a software window titled "Number of Units Display". The window contains a table with 4 columns: an unlabeled column for system names, "Outdoor unit", "Indoor unit", and "Chiller". The table has 5 rows: "System 1", "System 2", "Sub total", and "Total". The values are: System 1 (3, 3, 0), System 2 (2, 1, 0), Sub total (5, 4, 0), and Total (9, 0, 0). A "Close" button is at the bottom right.

	Outdoor unit	Indoor unit	Chiller
System 1	3	3	
System 2	2	1	
Sub total	5	4	0
Total	9		

5.2.9 Periodic recording setting screen

Setup “Periodic recording”

The screenshot shows a dialog box titled "Period. rec set test, testmap, D3-NET". It contains the following elements:

- ① Rcd interval:** A dropdown menu set to "5" with the unit "sec".
- ② Rcd stop method:** Radio buttons for "Manual" (selected) and "Auto". The "Auto" option has a text input field set to "0" with the unit "minutes".
- ③ Record, system select. (possible to select more than one):** A table with two rows, "System 1" and "System 2", each with a checked checkbox.
- ④ OK button** and **⑤ Cancel button** at the bottom right.

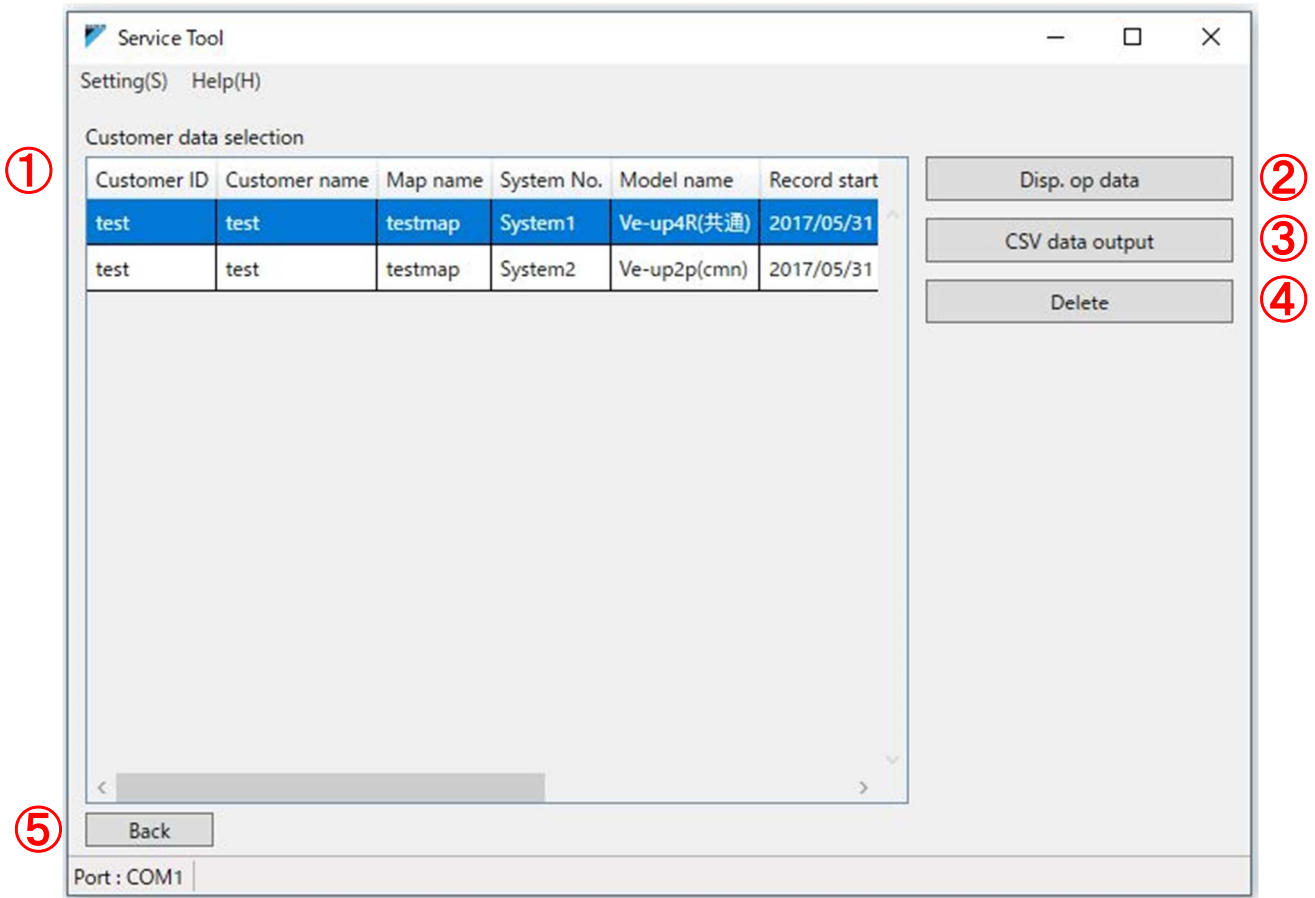
	System No.
<input checked="" type="checkbox"/>	System 1
<input checked="" type="checkbox"/>	System 2

- ① Setup date interval from 5 – 600 seconds.
- ② Select record stop option from manual or auto.
If Auto, specify duration of record in minute basis.
- ③ Check the system to be recorded.
- ④ Save settings and move back to previous screen.
- ⑤ Cancel setting and move back to previous screen.

5.3 Play function

5.3.1 Customer, data selection screen

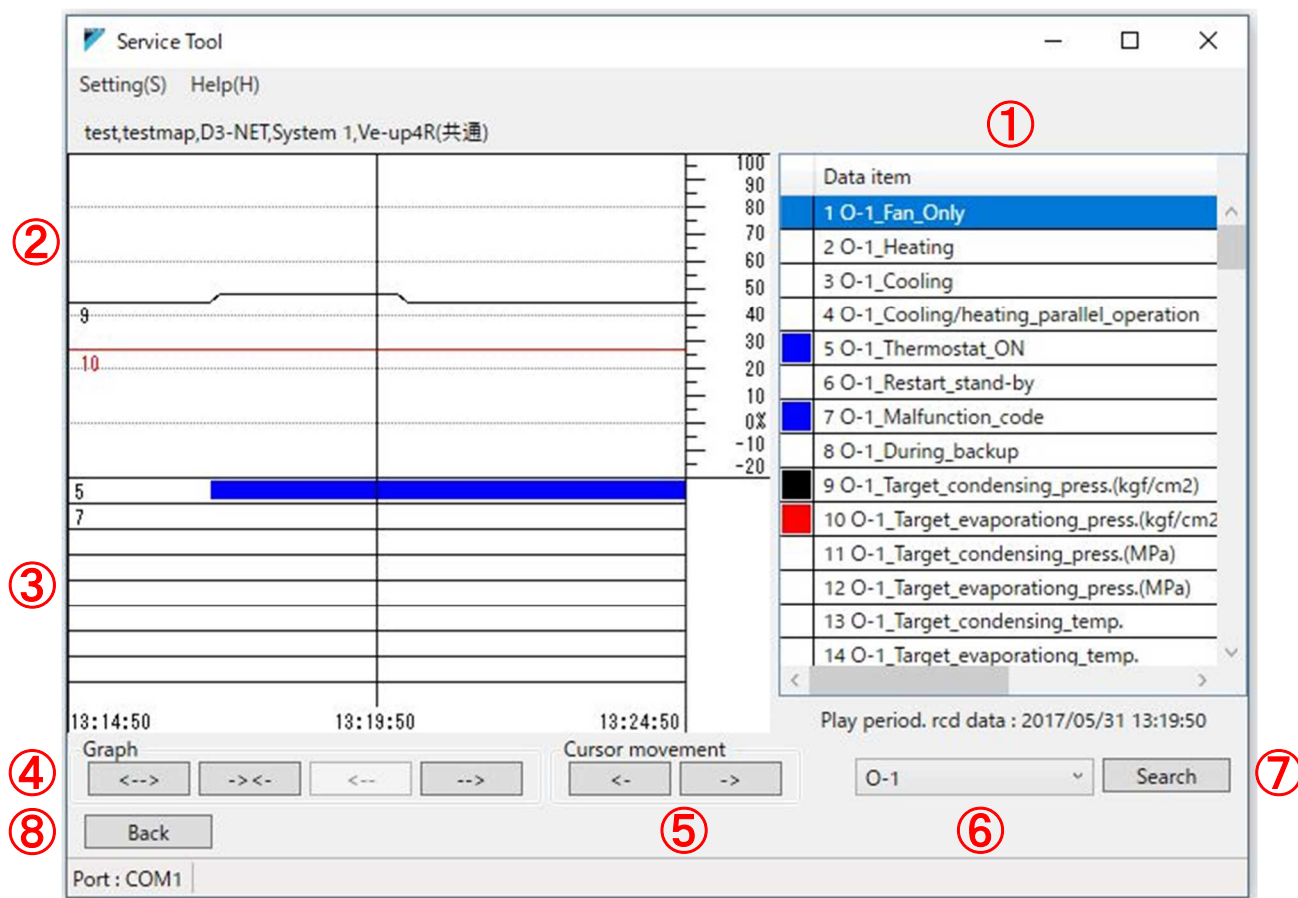
Lists up “periodic record” data stored in smartphone (tablet)



- ① Select recoded data
- ② Move to Operation data display
- ③ Move to CSV output setting screen
- ④ Delete selected
- ⑤ Move back to previous screen

5.3.2 Operation data display

Display recorded operation data.



- ① Select data items, show data values on updated time (cursor), show/hide on graph by click action.
- ② Show selected data by the list in line chart.
- ③ Show on/off status of selected data in bar chart.
- ④ Widen [<-->], narrow [>--<], move cursor [←] [→].
- ⑤ Move cursor (one click= time interval of record).
- ⑥ Select unit to be shown on the graph.
- ⑦ Search max/min value of selected data.
- ⑧ Move back to previous screen.

5.3.3 CSV file output setting screen

Export recoded data to csv file.

Data will be split into system basis.

The screenshot shows a 'CSV output setting' dialog box. It has a title bar with a close button (X). The main area is divided into two sections. The first section, 'CSV output period set', contains two radio buttons: 'All data output' (selected) and 'Select Output data[Date Time]'. Below these are two date/time pickers labeled 'start date' and 'end date', both showing 'Wednesday, May 31, 2017' with specific times. The second section, 'Header data', contains a 'Header Data Print' label and two radio buttons: 'ON' (selected) and 'OFF'. At the bottom right are 'OK' and 'Cancel' buttons. Four red circles with numbers 1 through 4 are overlaid on the image: 1 is next to the 'All data output' radio button, 2 is next to the 'Header Data Print' label, 3 is next to the 'OK' button, and 4 is next to the 'Cancel' button.

- ① Specify output data time period
- ② Select header information to be exported or not
- ③ Execute export
- ④ Cancel export and move back to previous screen