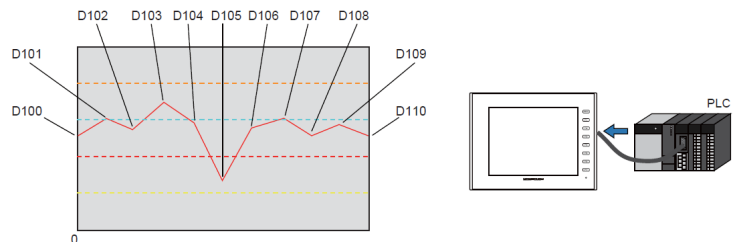# Trend Graph (Real-time Display) Operation Summary

What is a trend graph（real-time display)?

This is a function for displaying the values of consecutive device memory addresses as a line graph.

Bit control

Display or update a graph when a control bit turns ON.

Bit ON/OFF by a macro command

Bit ON/OFF by ladder control

I can control the number of graph updates and also the timing of updates!

OR

Constant updating

**Leave updating of the graph to MONITOUCH.
No need for macro commands or ladders!**

MONITOUCH **automatically updates the graph** without device memory control! (With [Always display] setting)

Updated according to MONITOUCH's processing cycle

Just specify the number of points to display and the drawn graph shows **the latest values all the time**!
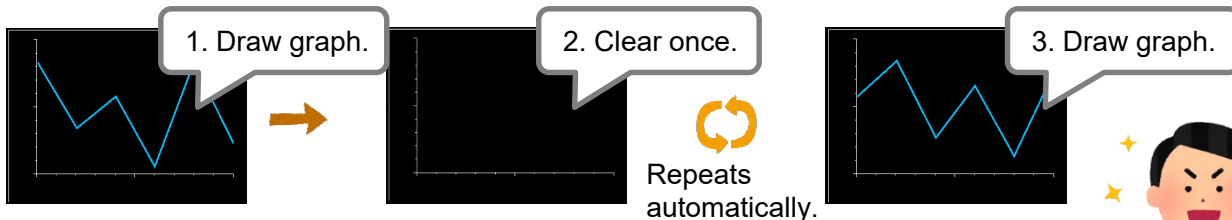
Bit operations not required!

Displaying the values of consecutive device memory addresses as a simple graph **can be done much easily** now!

Differences in operation according to the display method 💡

Always display

1. Draw graph. → 2. Clear once. 🔄 Repeats automatically. → 3. Draw graph.
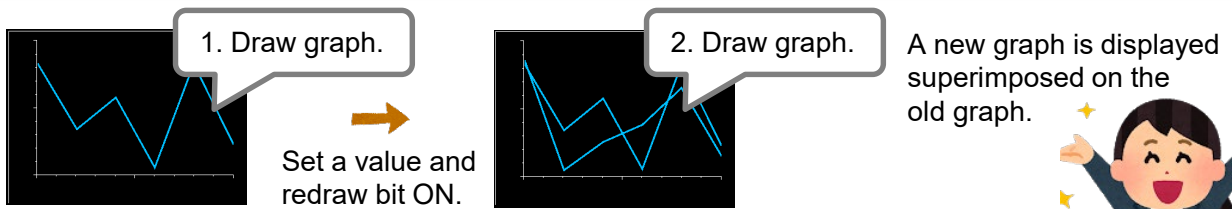
Graph Setting

Points to Display 20 /1920 ☑Always display
Control Device ⓘ

Select the [Always display] checkbox!

Perfect for these situations!
- The value of the set device memory changes constantly.
- Displaying only the latest data all the time

Control device: Redraw bit

1. Draw graph. → Set a value and redraw bit ON. → 2. Draw graph.

A new graph is displayed superimposed on the old graph.

Control device :

Device Map

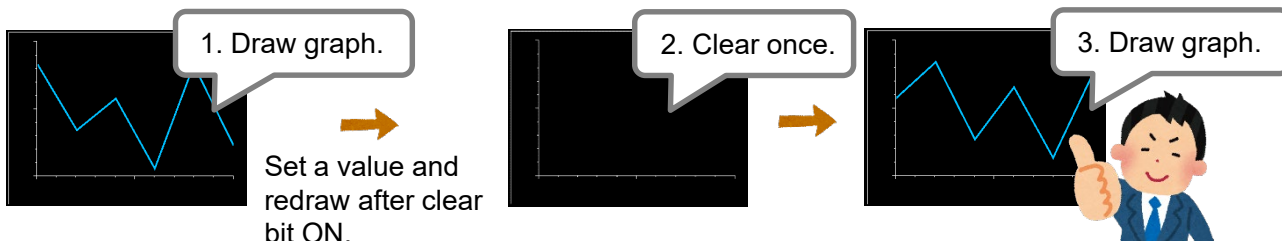| 15	14	13	12	11	10	09	08	07	06	05	04	03	02	01	00
		0	0	0											

- 2. Redraw (0 → 1) — 1. X-axis data points
- 3. Redraw after clear (0 → 1)

Perfect for these situations!
- Updating a graph at the desired timing
- Leaving the previous graph to check differences
- Checking the standard and actual values

Control device: Redraw after clear bit

1. Draw graph. → Set a value and redraw after clear bit ON. → 2. Clear once. → 3. Draw graph.

Control device:

Device Map

15	14	13	12	11	10	09	08	07	06	05	04	03	02	01	00
		0	0	0											

- 2. Redraw (0 → 1) — 1. X-axis data points
- 3. Redraw after clear (0 → 1)

Perfect for these situations!
- Updating a graph at the desired timing
- Realizing complete control, including the number of data updates
- Displaying only the latest data

Hakko Electronics Co., Ltd.
TEL: +81-76-274-2144 E-mail: support@hakko-elec.co.jp
www.monitouch.com

Click here for more MONITOUCH EXPRESS.