

WEINTEK IIOT LTD.

XY Plot

Demo Project

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1. Overview and Operation

Overview

This demo project demonstrates how to use an XY Plot object to display 2D coordinate data points. Each data point consists of an X and a Y value, both read from registers. Up to 16 different lines can be displayed using various styles and customizable colors, allowing for observation and analysis of data from the registers, including negative values.

Operation

Click "Draw" to see two polylines corresponding to the coordinates on the right side.

Use the dropdown menu in the top right corner to select different styles and click "Draw" to update the XY Plot.



Coordinate parameters can be modified on the right side (the X-axis and Y-axis ranges are both set from 0 to 100 in this demo project).

Draw: Retain the previous lines and redraw them.

Clear and Redraw: Clear the previous lines and then redraw.

Drawing Styles:

1. Line
2. Point
3. Spline
4. X-axis Projection
5. Y-axis Projection
6. Line with X-axis Projection

2. Object List

Key objects used in the project are listed below, please adjust as necessary.

Object	Description
Window 10	
Set Word	XY Plot control command.
Set Word	Defines default X and Y values.
Indirect Window	Displays XY Plots in various styles.
Option List	Selects the Indirect Window to pop up.
Numeric	Sets the number of channels and X and Y values.
Window 11~16	
XY Plot	XY Plots in various styles.