



Microchart Event Bars



APPLICATION NOTE

June 2017

Description: A guide to using Event Bars in Microcharts.

Introduction

The Event Bar mode of Microcharts is a simple way of visualizing events that occur within trends. It can display either simple on/off values or any range of data.

This feature is available for WPF, the Universal Windows Platform app, HTML5 apps, and KPIWorX.

Data sources for this feature could be:

- DA – Real-time Data
- HDA – Historical Data
- DS – Datasets

Event Bars can be used in these controls:

- Smart Tile
- FDD Viewer
- Asset Navigator



Figure 1 - Example Event Bar in a Smart Tile

How to Set Up an Event Bar in GraphWorX64

1. Open GraphWorX64.
2. From the Controls ribbon, add a Smart Tile into your display.
3. Double click on the smart tile to get to the Smart Tile Configuration.
4. On the General tab, set the Background color to white.
5. Go to the Content tab. In the "Content" box, choose **Microchart**.
6. Change our Stretch to **Fill** so our Microchart will fill our Smart Tile space.
7. Click on the **Configure...** button to configure our Microchart.

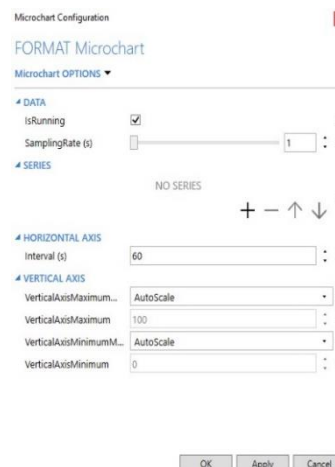


Figure 2 - Microchart Configuration

8. Click on the "+" sign to create new Series.



9. Click the Pen symbol to can edit your series.
10. Under the Series Type, select the Event Bar button:



11. Next to Data Source, click the  button to browse for the data source of our Event Bar, or type this simulation tag into the Data Source field:

svrsim:sine double fast -50 130

12. For Parameters, choose the **DA** connection type, or simply paste this text into the Parameters field:

version=2;aggregatetype=;

13. Click on the small square  to the right of Appearance, and choose **Alarm Rules**. You should see some newly created alarm rules, but for this app note we won't be editing them.
14. Exit out of the Microchart Configuration and add a Process Point to your display. Point it to the same simulation tag as the Event Bar Microchart. Make sure the Process Point is writeable.
15. Go into runtime and see how the Event Bar colors change when you write different values into the Process Point.