



KREO HMI TUTORIAL Trend XY

Tutorial dedicated to the value based Trend (XY)

Connect
Ideas.
Shape
solutions.



Introduction

XY Trends are graphs representing the values of two different datalog; the first one associated to the X axis and the second to the Y axis..

Like DATALOGS, the memory buffer is configured in the same way. We can, indeed, say that it is exactly the same for both.

Then, the sampling of these values will be obtained in time, on command, in event,... and at RUNTIME this buffer will be populated with the sampled values of the tags.

The difference between DATALOG and TREND (XY) is the graphical representation of these values: tabular the first, graphic the second.

How to do:

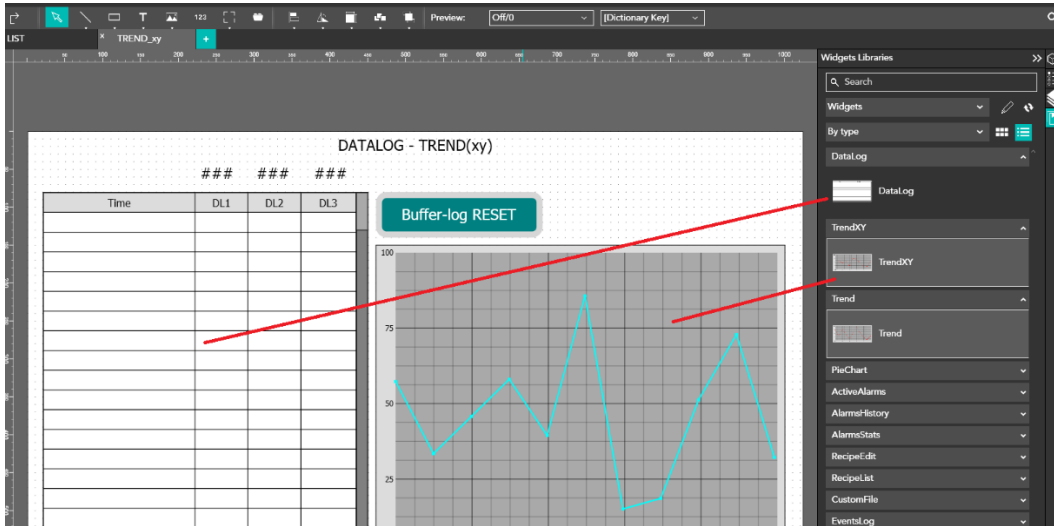
- 1) Suppose you have created a memory buffer (see DATALOG, TREND (t)) with 3 tags to be displayed in DATALOG and TREND tables (t).

	Name	Description	Tag	Header
1	DL1		DL1	DL1
2	DL2		DL2	DL2
3	DL3		DL3	DL3
1				
2				
3				
4				
5				

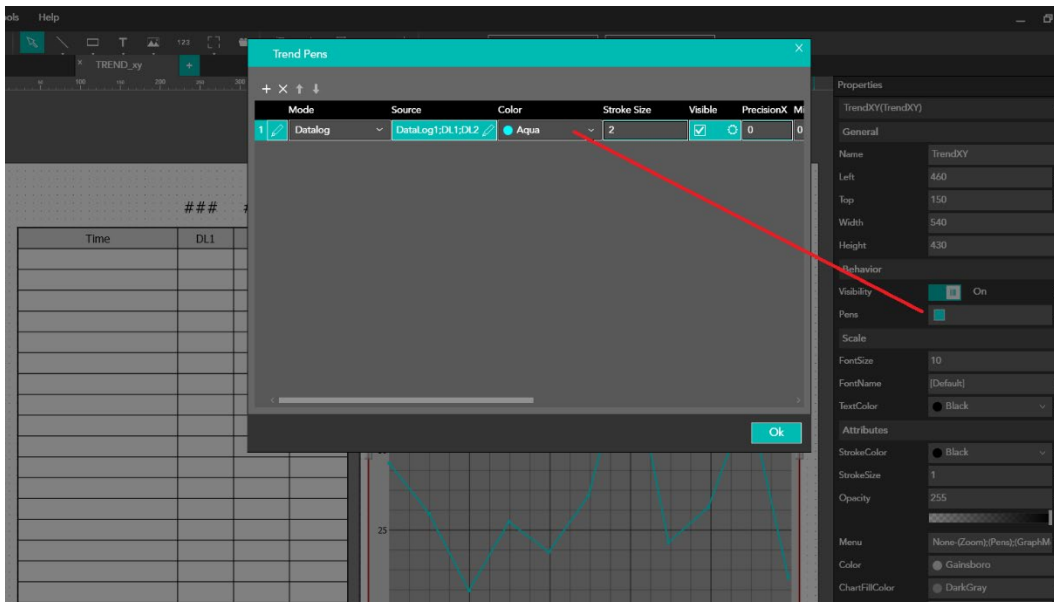


2) Now suppose that 2 of these tags must also be represented in a TREND (xy).

On the project page, you drag & drop the TREND(xy) widget.



The graphic property of the PENS is defined as below:



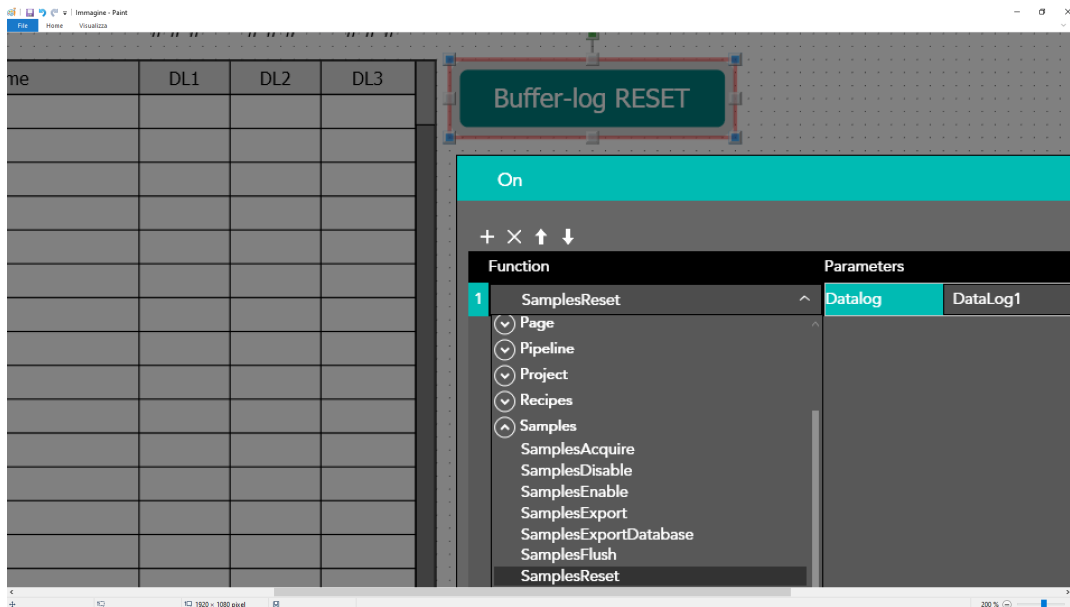


Here below the description of the available commands:

- ZOOM: ZOOMs the trend to full screen
- PENS: runtime handles tracks dynamically (ON/OFF, color,
- GRAPH-MODE: track display in points, lines, areas, digital,...
- PAUSE: pauses the TREND and restarts it
- CROSSHAIR: highlights the tag values at a precise point in the base-timeframe
- RESET: realigns the last log-in sample to the TREND view

5) Below are some predefined FUNCTIONS for sampling DATALOGS and any EVENTS in order to better manage this functionality:

Default FUNCTIONS Table





Log EVENTS table:

Events	
OnSamplesFull	None
OnSamplesWarning	None
OnSamplesEnabled	None
OnSamplesDisabled	None
OnSamplesReset	None
OnSamplesStart	None
OnSamplesComplete	None
OnSamplesSuccess	None
OnSamplesError	None
OnSamplesExportStar	None
OnSamplesExportCorr	None
OnSamplesPrintStart	None
OnSamplesPrintComp	None



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