How to Create Waveform Graphs Tutorial

Controls -> Modern -> Graph [icon] -> Waveform Graph [icon]

Start by opening the Controls palette on the Front Panel and navigating to the Modern palette. Here you should find the Graph palette [icon] which contains the Waveform Graph indicator [icon] that can be used to display a graph of the Waveform data type.

You will notice that the axes will be configured using the default increment values but don't worry about this since LabView will auto-scale them at run time.

If you don't want LabView to auto-scale the graph increments at run time, simply right click on the Waveform Graph and deselect the "Autosize Plot Legend" option as shown in Figure 1.
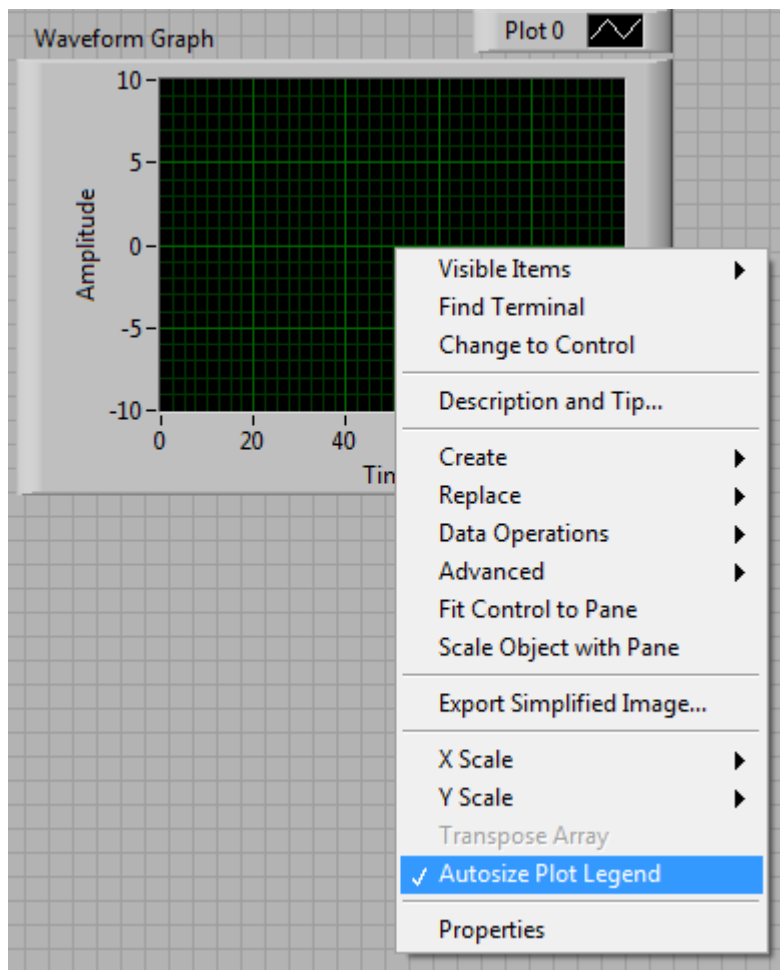
 Figure 1

The Waveform Graph indicator will also create a corresponding Waveform Indicator object in the block diagram as shown in Figure 3.
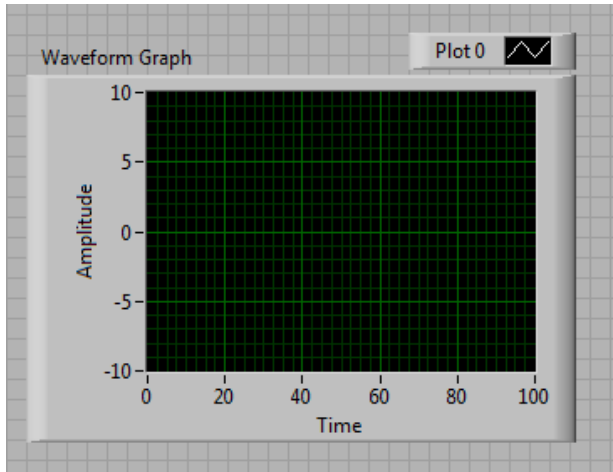
Figure 2

Figure 3

Figure 4

You will notice that the Waveform Graph can take an array or a Waveform data type. If the Waveform Graph takes in an array, the x-axis (Time) will default to using th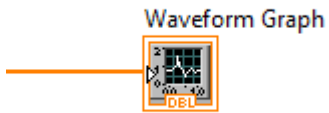e sample number or sample step of size 1.