



INSIGHT^{LT}

MODEL 93-1020

Labview Guide

V1.02

VIs packaged for INSIGHT^{LT}:

-Insight LT.vi: This is the main interface to write data to the display. Pass in arrays of strings into zones and this VI takes care of the rest

-Insight Example VI.vi: This is a placeholder to show how the data gets packed and how the display options can be configured. This VI is not needed, but can help get you organized

-Insight Initialize.vi: Place this in the begin.vi to make sure the display gets configured on startup

-Insight Write Message.vi: Background VI that is called by Insight LT.vi to take your data and place each character on the screen in the right place

-Insight (Int, Float, String) Package.vi: These VIs are aids to quickly help you convert data into the arrays expected by the Insight LT.vi

-Loop Count Global.vi: Part of the Insight ExampleVI.vi that shows you how to pass data from anywhere in your application

Quick Start Instructions:

1. Add all the Vis mentioned above to your project
2. Add the Insight Initialize.vi into the Begin.vi and set the DSC module number input to whatever module number you are connecting the Insight (1 or 2)
3. For quick test purposes, if you want to use the included Loop Count Global.vi global variable, place it inside of a loop that continually runs and try adding an increment so you can see changing data. This step is optional.
4. Add the Insight Example VI.vi to a timed task loop. Set the loop timer to 100 ms
5. Go into the Insight LT.vi and configure the module number to match the one set in step 2
6. Configure the zone display type, the scroll timing and start adding data to the example. You can add as many lines and types of data by simply expanding and contracting the Build Array function (drag the little arrow on the bottom of the block). Note that even if you only have one element to add to a zone, you still have to have a Build Array function in place. If you don't populate a zone, that zone will simply be blank by default.