Advanced DasyLab Features

The > 6/3/98 version of the DASYLab-to-instruNet interface ("Program Files \ DASYLab \ iNet_e.dll" Version 6/3/98) provides the following features:

#1 FEEDBACK & CONTROL

One to do output and feedback-control at slow rates (e.g. 100s/sec). For example, one could connect an instruNet input icon to an instruNet output icon to have the output follow the input. Or one could put a PID icon in between them to make a feedback loop.

#2 SET PARAMETER ICON

There is a icon, called "Set Parameter", in the instruNet menu, that writes to any field within the instruNet system. A field is any of the cells that appear in the instruNet Network window (e.g. sensor type, etc).

#3 PRESS ANY INSTRUNET WORLD BUTTON WITH A DASYLAB ICON

If you use the "Set Parameter" icon with the {DRIVER, DRIVER, DRIVER, PUSH BUTTON, GENERAL, COMMAND} field, then you can have the icon press any instruNet World button. For example, to press the Calibrate button in the Network page, one would set this field to 22. To see what numbers you use to press other buttons, search for "iNet_btnpress_command_ fieldValue" in file "instruNet \ iNet_INT.H".

#4 TO BALANCE STRAIN GAGES & LOAD CELLS FROM DASYLAB

To do this, one must first set up the Calibration button to balance the strain gages & load cells. One does this by setting the Cal Button to "Bal Gages" (or "Bal Bridges"). This can be done in one of 2 ways: (1) Open instruNet World window from within DASYLab, press Record, press Setup, press Calibrate, set "Cal Button" to "Bal Gage". (2) Use the SET PARAMETER ICON to set the {DRIVER, DRIVER, DRIVER, DRIVER, CAL-OPTIONS, CAL-BUTTON} to 2 (Bal Gages). You cannot press the Calibrate button while it is digitizing. You need to turn digitizing off, do calibrate, and then turn it back on.