QI Analyst Gage Setup

To setup QI Analyst for use with a gage or other data acquisition device, the following steps are required. If you're planning to use the OPC server shipped with QI Analyst, e.g., Starrett, Mitutoyo, etc., you first need to setup the machine on which you intend to do data collection. Then the settings are saved in a Workspace and data collection can begin.

Set Up For Data Entry Via A Gage

- Open QI Analyst Controller and run the gage setup program (Setup>Data Acquisition Map…> Setup Gages).
- Select the appropriate device from the Available gage types drop-down, specify the serial port (COMn) that it is (or will be) attached to and press Add.
- If you selected GageportNT and there is a Gageport attached to the serial port selected, the number of slots available will be automatically detected. Otherwise, you'll be prompted for the number of slots (ports) available on the GageportNT you will use. Press OK when you're done defining the device(s) you plan to use.
- Select the computer which the devices will be connected to from the Available OPC Servers/Items list. When it appears, click on the + sign in front of the computer name to show the list of OPC servers installed on that machine.
- Click the + sign in front of the Wonderware.OPCMuxServer item and you should see the item(s) that you setup in the previous step.
- Select the Data Table for which you're setting up data acquisition from the Database/table name drop-down list just below the OPC Servers/items list.
- Drag the OPC data items one at a time to the Column that you it to put it's data in. When done, press OK.

Save the Data Acquisition Map By Saving A Workspace.

- If you want to view charts while data acquisition is taking place, create the chart windows, size and locate them where you want. Edit any chart properties that you want changed from the default settings.
- Save the Workspace by selecting File>Save Workspace. You'll be prompted for the name if you haven't previously opened a workspace. If you do have an existing workspace open, it will be resaved. When you open the workspace again in the future (either from QI Controller or QI Workstation), the chart and data editor windows will reopen and the Data Acquisition Map defined in the previous step will be restored. Select Data>Resume Data Acquisition (or press the appropriate button on the toolbar) and gage input from the defined devices will be activated.