

# Software Introduction

The supplied software program allows the Thickness meter to communicate with a Desktop or Notebook PC. The software displays thickness data graphically and in list form. The software also provides statistical analysis data. The data can be saved in text document form for exporting to spreadsheet programs.

## PC Operating Systems Supported

Windows 2000, Windows XP, Windows Vista, and Windows 7

## Minimum Hardware Required

- Desktop or NoteBook Personal Computer (PC) with 90MHz processor speed
- 32 MB RAM
- 7 MB hard disk space
- Display pixel resolution of 1024 x 768 with high color setting (16 bit minimum)

# Install Software

Install the supplied Windows PC Software by placing the supplied program disk in the PC CD-ROM drive. If the installation program does not automatically open and provide on-screen prompts, double click the SETUP.EXE file included on the program disk. Follow the on-screen prompts to complete the installation. Before running the software please connect the meter to the PC and install the USB Driver software as described in the next section.

# Install USB Driver

Run the CP210xVCPInstaller.exe at the driver folder to finish the driver installation.

# Main Menu

With the meter connected to the PC, switch the meter ON. With the software application and driver installed, launch the supplied program by double clicking its icon. The screen below will appear. If the CONNECT button is grayed, the meter is now communicating with the PC normally. If the CONNECT button is black, click on it to start communication. If communication is not successful, ensure that the software driver is installed. The driver is located on the supplied CD-ROM in the driver folder.



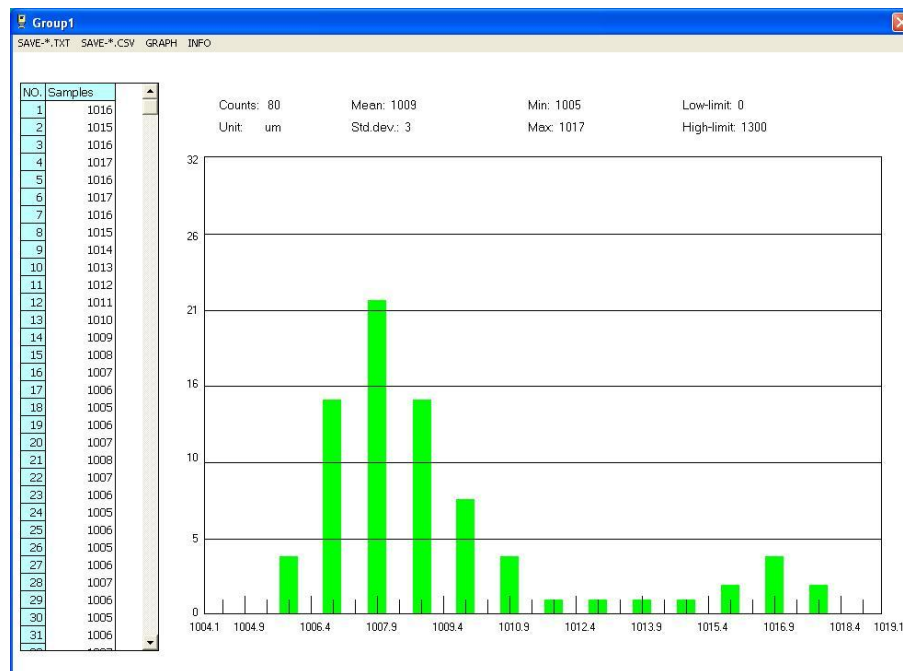
The buttons available on the Main Menu are listed below:

- **CONNECT:** If black, press it to initiate meter-to-PC communications. If grey, communication is already active.
- **GROUP 1...4:** Open one of the four data group x-y graphs .
- **ALL\_Grps:** Opens all four Group graph windows at once.
- **CurrentGrp:** With the meter connected to the PC, readings can be taken and shown on an x-y graph.
- **μm < - >mils:** Toggle the unit of measure for the data graphs.
- **Exit:** Close the program.

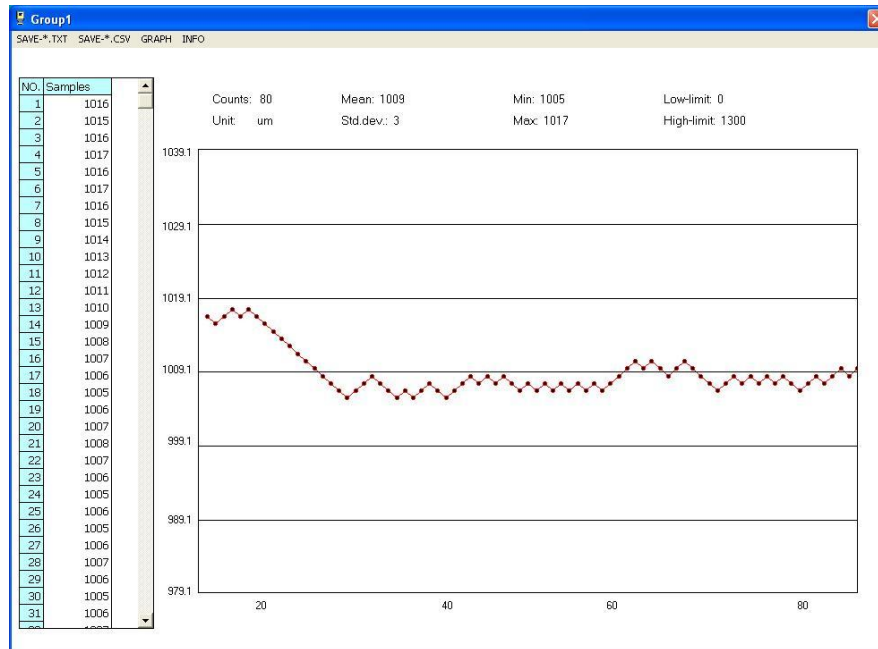
# Operation

## ‘GROUP’ DATA GRAPHS

Collect data into one or more of the data groups on the meter (refer to the meter’s user guide for details on the GROUP function). After collecting data to a meter group, click a GROUP button from the MAIN MENU to open an x-y graph as shown in the diagrams below. (Click the ALL\_Grps buttons to open all four groups)



The MENU items at the top of the graph window are SAVE \*.TXT, SAVE \*.CSV, GRAPH, and INFO. The SAVE items allow the data to be saved as a text file with a TXT or CSV extension for exporting to spreadsheet programs. The GRAPH selection offers TREND or HISTOGRAM graph styles; a TREND graph is shown below and a HISTOGRAM above.



The INFO menu selection allows the user to access this HELP utility and to view the software's revision level.

The x-y graph offers the following information in addition to the readings shown directly on the graph:

- Sample number and readings in list form (on the left side of graph)
- Counts (number of samples) and unit of measure (at the top left of the graph)
- Mean, standard deviation, MIN/MAX statistical data (at the top center of graph)
- Low/High Alarm limit values (at the top right of the graph)
- Trend or Histogram style graph (selectable under the GRAPH menu)

## CURRENT GROUP (CurrentGrp) DATA GRAPHS

Collect data while the meter is connected to the PC and then click on CurrentGrp to open the fresh data on an x-y graph in similar fashion as the standard groups described above.

### um <-> mils Button

Click this button to toggle the units of measure used on the data graphs.