



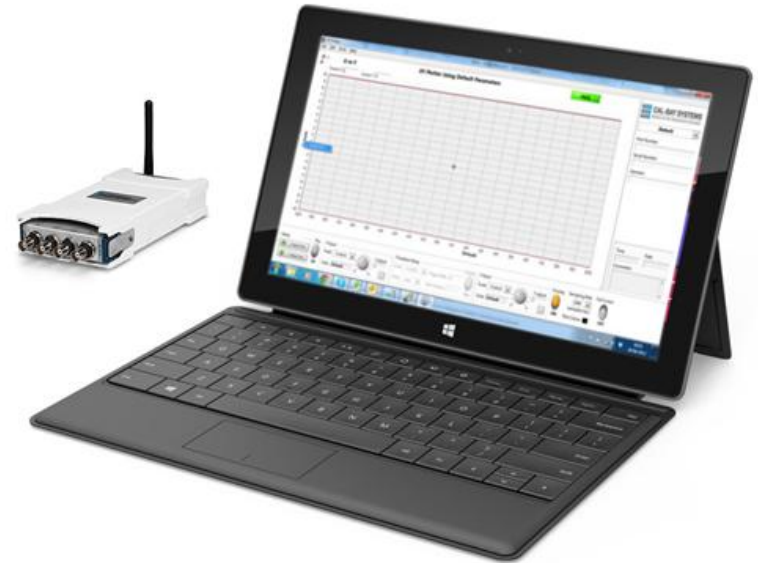
XYplotter.net



XY Plotter  
SOLUTIONS

# PC Based X-Y Plotter Software

**The flexible, high performance, reliable and easy to use  
alternative to traditional XY Plotters**



VS

**ARE YOU.....**

**Having problems finding consumables for your X-Y Plotter?**

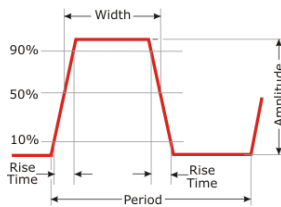
**Looking for a better way of testing your products?**

**Our PC-based software enables you to turn your PC into a fully functioning X-Y plotter and automated test system using limits**

Comprehensive "Out of the box" software that accurately captures, stores and prints your measurement comparison data....



**PASS** ☒  
**FAIL** ☐



### PC Based:

- No need to replace expensive, non serviceable parts
- No on-going consumable costs
- XY Plotting and Automated Test Functions

### Easy to use:

- "Out of the box" operation. No programming needed
- Works with most NI Data Acquisition cards

### Automated Testing:

- Testing against limits built in
- Easy to create limit masks with pass/fail indication

### Plotting:

- Save plots, data & test information to file and as .pdf
- Print plots on local or networked printer

### On Screen Calculations:

- Moveable cursors to highlight calculation regions
- Slew Rate, Pk to Pk, Mean and Rise Time calculations



The easy to use software suite has been designed to perform the following types of test:

- Hysteresis testing
- Linearity testing
- Frequency response
- Repetition testing
- Mechanical actuation testing
- Flow and travel testing
- Flow and pressure testing

Typical projects include:

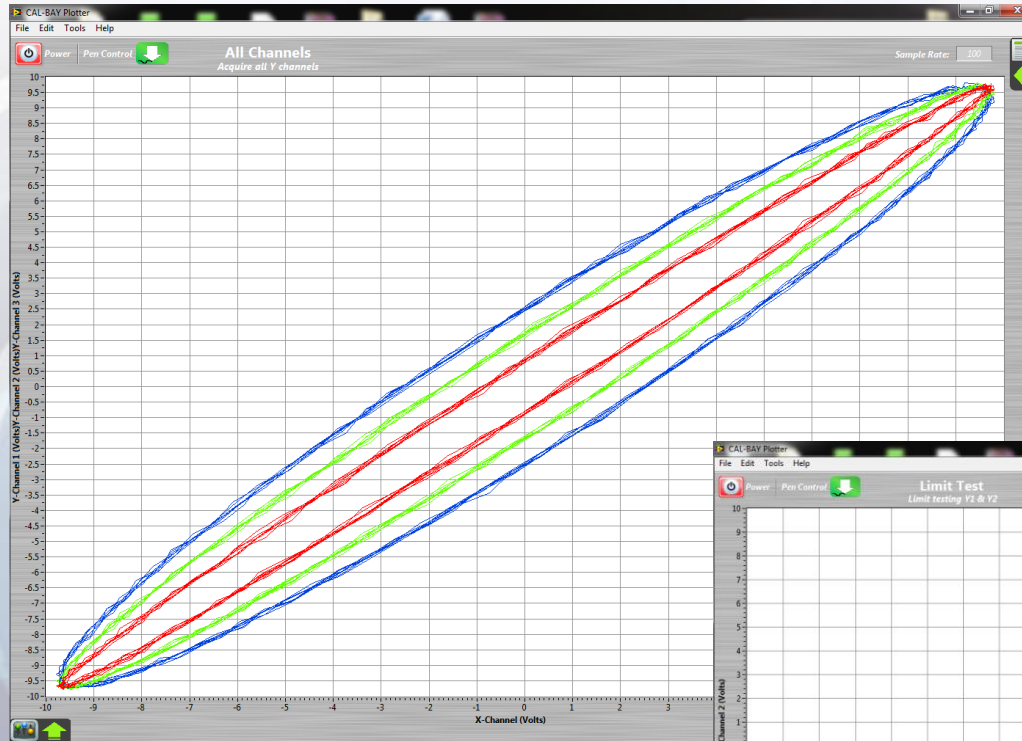
- Hydraulic valve and actuator test
- Electronic servo test
- Aerospace applications
- Medical device testing
- RF component testing
- Microwave component testing



## Software modes:

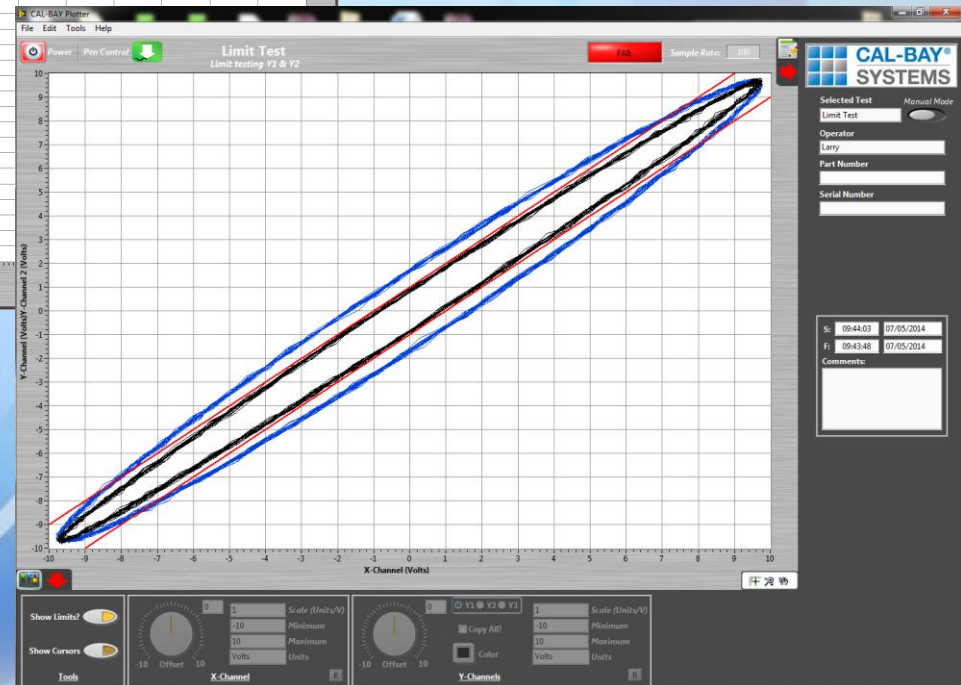
### Traditional X vs Y

Plot one channel against the other using the same time sampling rate

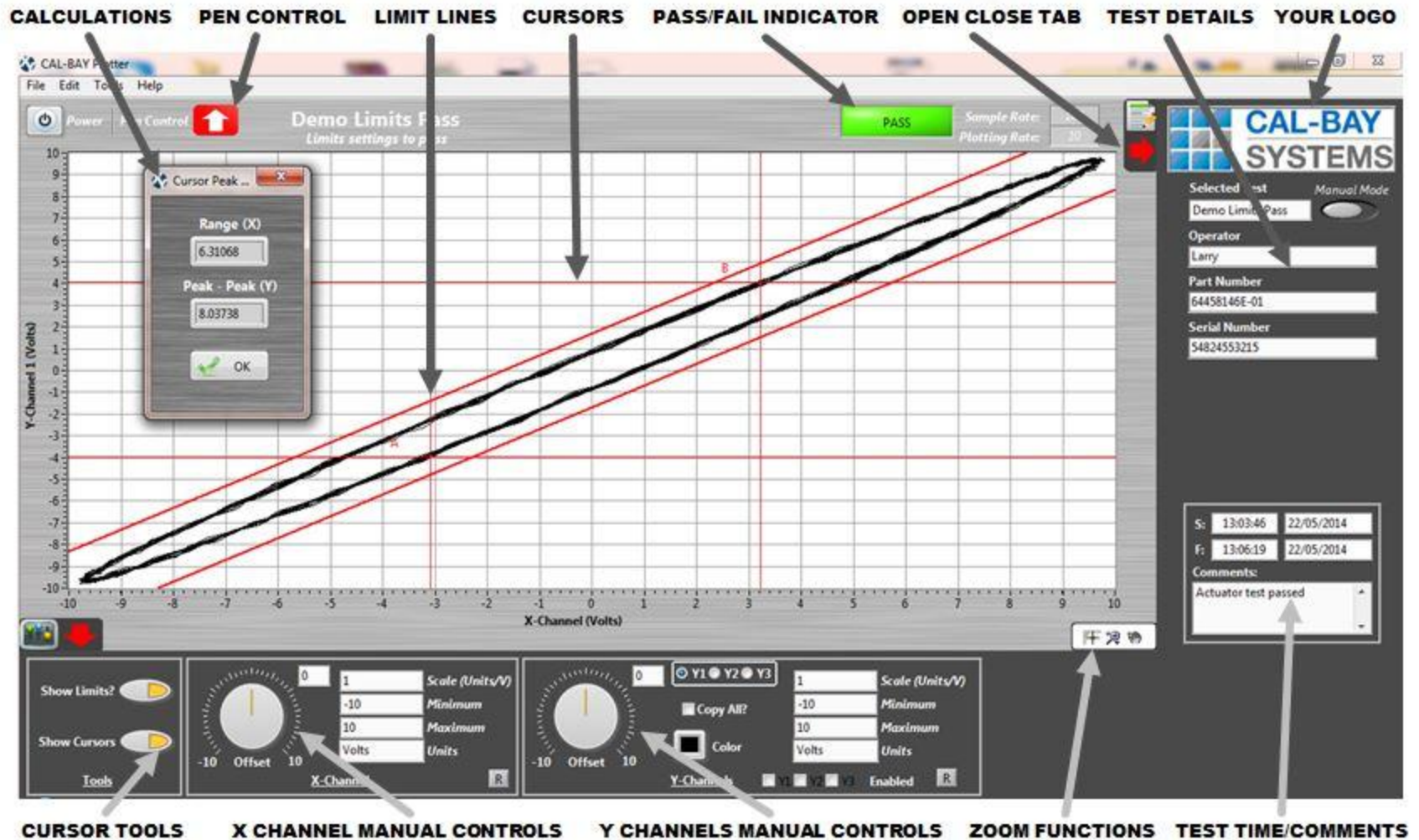


### Multiple Y axis

Plot either 1,2 or 3 Y channels vs the X channel



## XY Mode screen layout:





## Automated Test mode:

## Setting up test limits

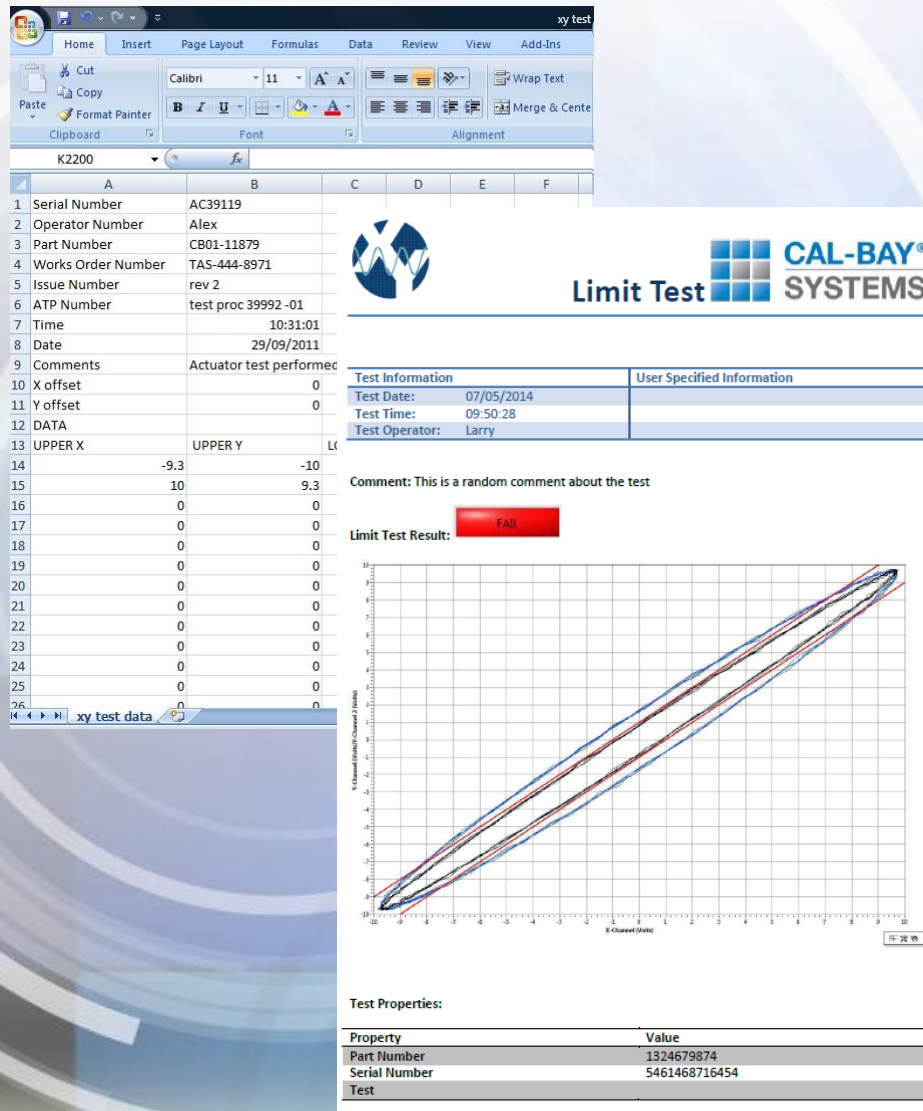
Unlimited numbers of individual tests can be created using the Edit Test function. Each test can have its own individual sets of limits applied to check if the trace is within limits throughout the test run. If the trace exceeds the limits set, the test fails and the fail banner is displayed and printed.

## Saved test data:

As the test is being run, the data is being logged to disc for future analysis and storage. The header and test information entered prior to the test is also saved. This includes user customizable item names such as:

- Unit serial number
- Operator name
- Works order number
- Date/Time of test

## Saving Test data & test result reporting:



### Test data is saved as .csv format data

To enable further more detailed analysis using packages such as Excel, the test data is stored as scaled data along with the header information as configured by the operator

### Test data is saved as a pdf

To enable instant analysis, the screen is saved as a pdf file enabling the screen to be printed or send via email to colleagues. This makes it extremely easy to share the data.

### Customizable test reports

You can create impressive and professional test reports including your own company logo and full test details along with the plotted trace



## Recommended Hardware:



### **Compatible with NI**

The XY Plotter software has been designed to seamlessly work with the National Instruments range of data acquisition boards. Our engineers recommend the USB 9215 BNC board with USB 9171 single slot carrier

### **Wireless operation**

The software can also operate wirelessly via the wireless cDAQ USB 9181 chassis enabling cable free remote connection to the PC or laptop.

### **Contact your local stockist for the latest hardware options**

NI continue to innovate their hardware solutions providing you with the very best advances in measurement technology. To discuss your individual system needs contact your local office today.

\* The Software requires a minimum Dual Core PC as it takes advantage of multi-threading to improve performance. Running on a Single Core PC may cause problems and is not recommended or supported.

## Contact Us:

For pricing information or to view our demonstration videos contact your local office

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