

# X-Y PLOTTER

VERSION 4



Acquired Data Solutions provides better measurement in accuracy and resolution. Our PC based digital X-Y Plotter Software Suite enables you to turn your PC or laptop into a fully functional X-Y Plotter, Time-base chart recorder, and Automated limit or mask tester. Affordable. Accurate. Reliable.

## OVERVIEW

The flexible, high performance alternative to traditional X-Y Plotters. Our PC-based software enables you to turn your PC into a fully functioning X-Y plotter and automated limits Tester.



### PC-Based:

- No on-going consumable costs.
- X-Y 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.



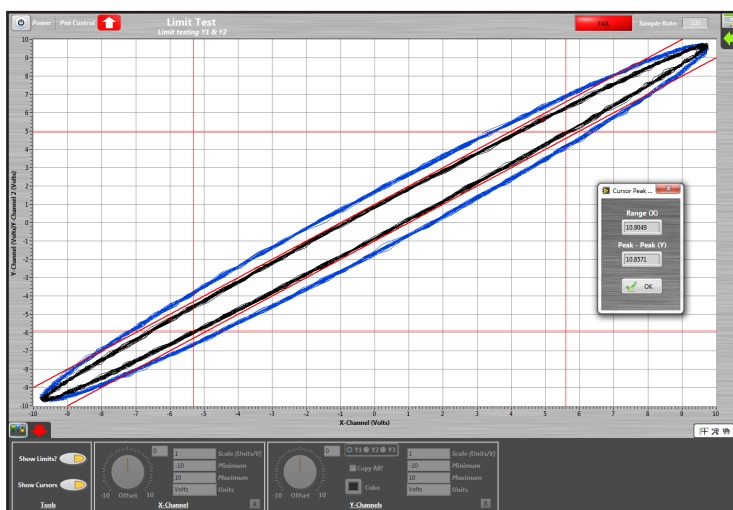
### Plotting:

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



### On Screen Calculations:

- Movable cursors to highlight calculation regions.
- Slew rate, Pk to Pk, mean and rise time calculations.



## FEATURES

- Plot X vs Y, X vs 2Y & X vs 3Y inputs in real-time on your PC's monitor.
- Adjust the input scaling including axis auto-scaling feature.
- Manual or automatic testing modes.
- Set up custom scales and display real-world units on each axis.
- Change the data acquisition sample rate to capture fast transient data.
- Add information about the trace such as part number, serial number, operator, etc.
- Plot multiple plots on the same graph.
- Automatic logging of date and time.
- Logging of results to excel file.
- Add your own comments about the test.
- Print as a PDF, or save as a jpeg.
- Reload previously saved traces.
- Smoothing function reduces potential noise.
- Hide controls and test detail options to provide full screen view and printouts.

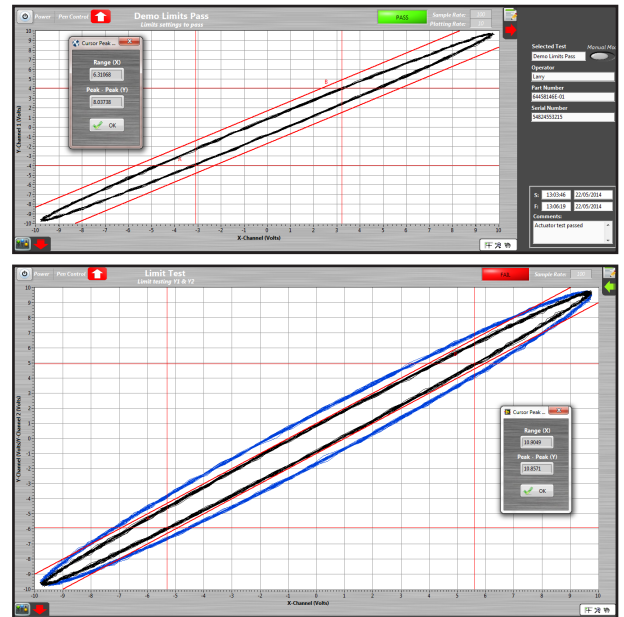
## SOFTWARE

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 & Actuator Test
- Electronic Servo Test
- Aerospace Applications
- Medical Device Testing
- RF Component Testing
- Microwave Component Testing



## HARDWARE

### Compatible with NI DAQ Hardware

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



### Complete System

We also supply complete ready to run packages include:

- All Data Capture Hardware
- PC or Laptop
- System Rack
- Printers
- Installed & Tested Software



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