

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.



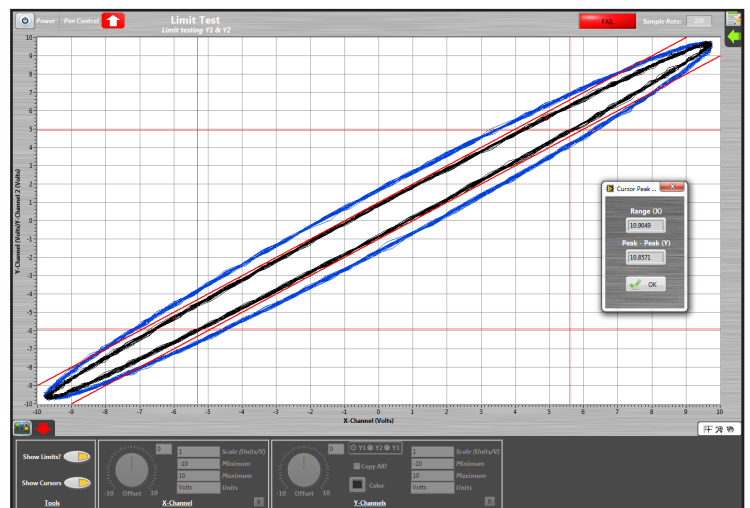
Plotting:

- 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.

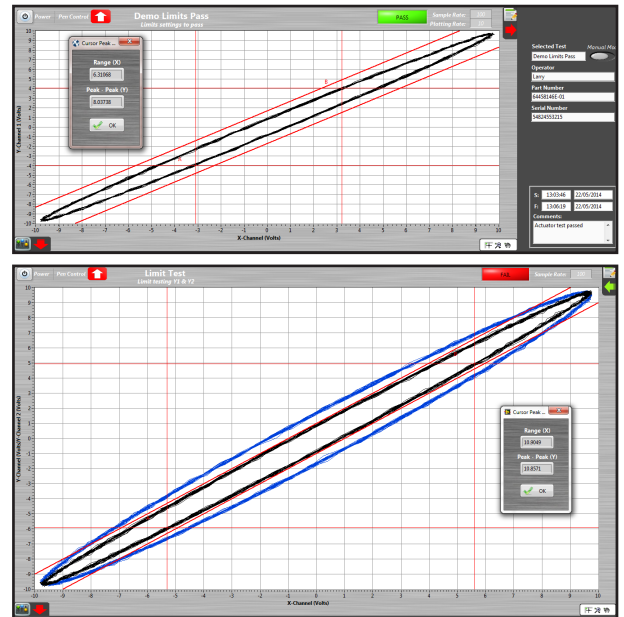
SOFTWARE

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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