

XY PLOTTER

PC-Based Digital XY Plotter and
Data Logging Solution

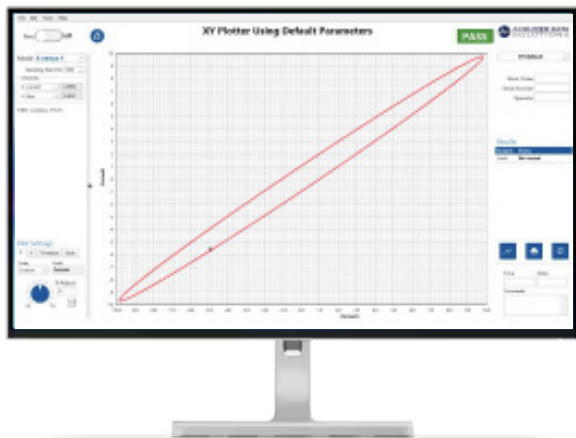
FOR MORE INFO
www.acquiredata.com

OVERVIEW

ADS' Digital XY Plotter is a flexible software and hardware suite that converts your PC into a fully functional XY plotter, time-based chart recorder, and automated testing platform. It delivers precise, real-time data visualization while reducing setup time and operational complexity.

Unlike legacy systems, this modern solution removes the need for consumables and enables seamless digital data capture, storage, and reporting.

ADS' PC-based XY plotter solution consists of two key elements: the software which runs on any Microsoft Windows (Windows 7 and above) based computer and industry standard NI based hardware.



WHO CAN WE HELP

The ADS XY Plotter is ideal for organizations that rely on precision testing, data visualization, and performance validation:

- Hydraulic Valve and Actuator Test
- Electronic Servo Test
- Aerospace Applications
- Medical Device Testing
- RF Component Testing
- Microwave Component Testing

KEY BENEFITS



Increase Efficiency: faster setup, real-time plotting, and streamlined workflows.



Reduce Costs: eliminate consumables and minimize maintenance of legacy equipment



Improve Accuracy: high-resolution data capture with automated limit and mask testing.



Enhance Traceability: digitally record, store, and export test data for full auditability.

Transforming Your Data Into Insight - Faster, Smarter, and More Precisely

HOW IT WORKS

ADS' XY Plotter replicates the functionality of traditional XY plotters without the limitations:

1 Connect Data Acquisition Hardware

Compatible with NI data acquisition systems and wireless configurations.

Capture Real-Time Data



2

Plot X vs. Y (or multiple channels) directly on your PC display.

3 Automate Testing

Define limits and masks for automatic pass/fail evaluation.

Analyze and Annotate



4

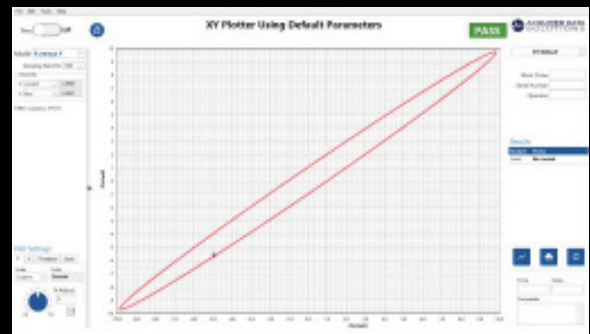
On-screen tools to calculate metrics like peak-to-peak, mean, and rise time.

5 Store and Share Results

Automatically generate PDFs and save data for reporting & traceability.

SOFTWARE

- Out of the box operation: No programming needed.
- Works with most NI Data Acquisition Cards: must have differential inputs.
- Modern, intuitive interface with live scaled channel readings.
- One-click clear, print, and reset-to-spec functionality.
- One-touch panel lock prevents accidental changes during testing.
- Guided four-step specification editor with built-in validation.
- Evaluation version available (try before you buy).



HARDWARE

- High speed data acquisition usage
- Medium Cost
- Ideal for rugged environment use
- Plug and Play
- USB or WiFi Options
- BNC Inputs for Easy Connectivity
- NIST Traceable Calibration
- +/-60 Version Available

NI cDAQ-9171 Module
NI cDAQ 9215
BNC DAQ Module

